CALIFORNIA
OIL WORLD

PUBLISHED TWICE A MONTH
FOR TIMELY, COMPLETE
CALIFORNIA OIL NEWS COVERAGE

• SECOND ISSUE
APRIL, 1945
VOL. 38 • NO. 8
WHOLE NO. 1678

PETROLEUM PUBLISHERS, INC.
MEMBER AUDIT BUREAU OF CIRCULATIONS
W. C. MONROE—President and Editor •
V. W. HEINZERLING—Manager News Service

117 WEST 9TH STREET
LOS ANGELES 15, CALIFORNIA
KINZIE MILLER—Vice President

California Oil World is published twice a month at 117 West 9th St., Los Angeles 15, California. Entered as Second-Class Matter, April 29th, 1944, at the post office at Los Angeles, California, under the Act of March 3, 1879. Subscription price $1 per year in U. S. and possessions, $2 in foreign countries, including Canada. Member of the Audit Bureau of Circulations.

April 30th, 1945
Telephone Number TUcker 2571

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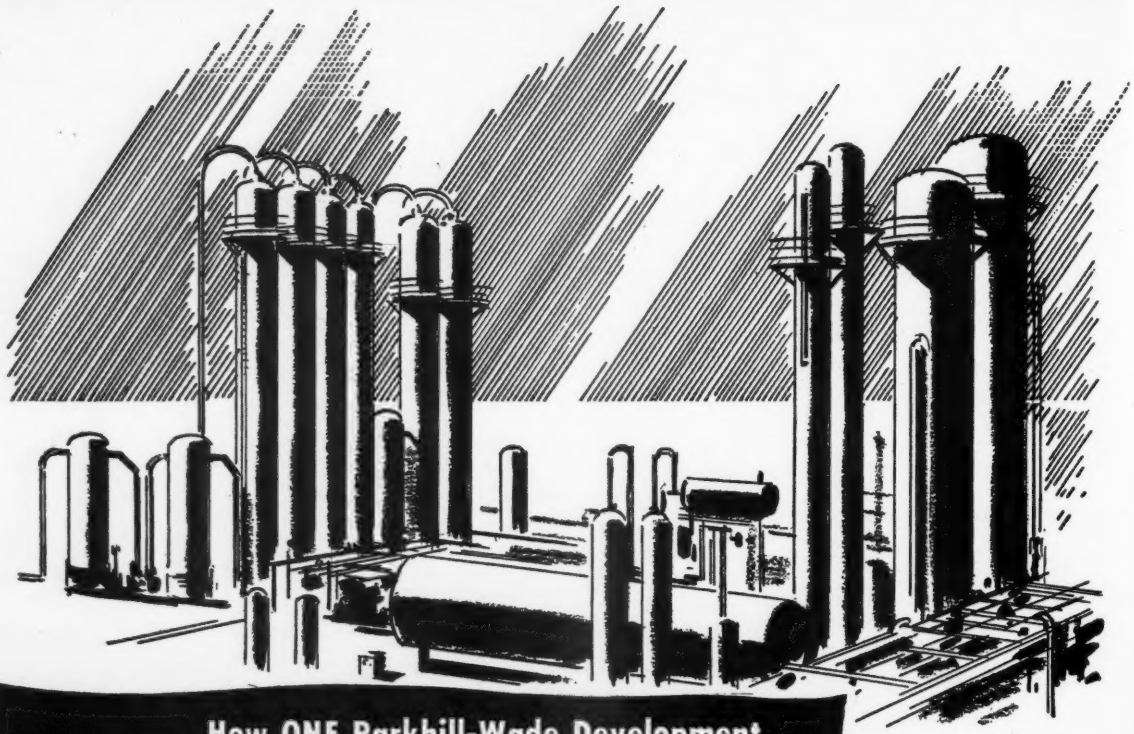
This issue of CALIFORNIA OIL WORLD is devoted to the presentation of the 1944 statistics on the California oil industry and the related Pacific Coast territory. The data included have been set up in such a manner that those who desire can use them for a ready reference or, if necessary, the data can be used for more detailed analysis.

CALIFORNIA OIL WORLD wishes to express appreciation to Wm. R. Wardner, Jr., Manager of the Conservation Committee of California Oil Producers, the staff of the California office of the American Petroleum Institute, and to the staff of the Los Angeles Office of the United States Bureau of Mines. Through their cooperation much of this material has been obtained.



How ONE Parkhill-Wade Development Solved TWO Entirely Different Problems in Modern Gas Plant Operations!

From a number of Parkhill-Wade developments in gas processing have come *many* of the solutions to today's rapidly changing conditions in the war-paced recovery and handling of natural gas and the lighter hydrocarbons . . .

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Parkhill-Wade engineers and designs systems of all kinds for processing natural gas and the lighter hydrocarbons. We will be glad to make recommendations—or work with you toward solution of special engineering problems. Write, briefly outlining your requirements.

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Carrington Kent

Important changes in the relationship between business and Government are anticipated as a direct result of the sudden ascendancy to the presidency of former Vice-President Harry S. Truman.

Although Washington is seething with predictions and rumors of an immediate reshuffling of the Cabinet and the major war agencies, these changes will come gradually, most observers believe. Considered of greater consequence is the whole-hearted support extended President Truman immediately upon his inauguration and the general conviction he will bring new harmony to the task of prosecuting the war and preparing for the peace.

Liked and trusted by his colleagues, and admired for the job he did as chairman of the Senate War Investigating Committee, the new Chief Executive is expected to give Congress and the members of his Cabinet far more responsibility than they enjoyed under the late President Roosevelt.

Although lacking the grasp of international affairs possessed by the great war leader, the Missourian can be trusted to follow the pattern laid by Roosevelt toward solving our international difficulties. In domestic affairs — particularly those affecting industry — it is believed he will take a keener interest than his predecessor.

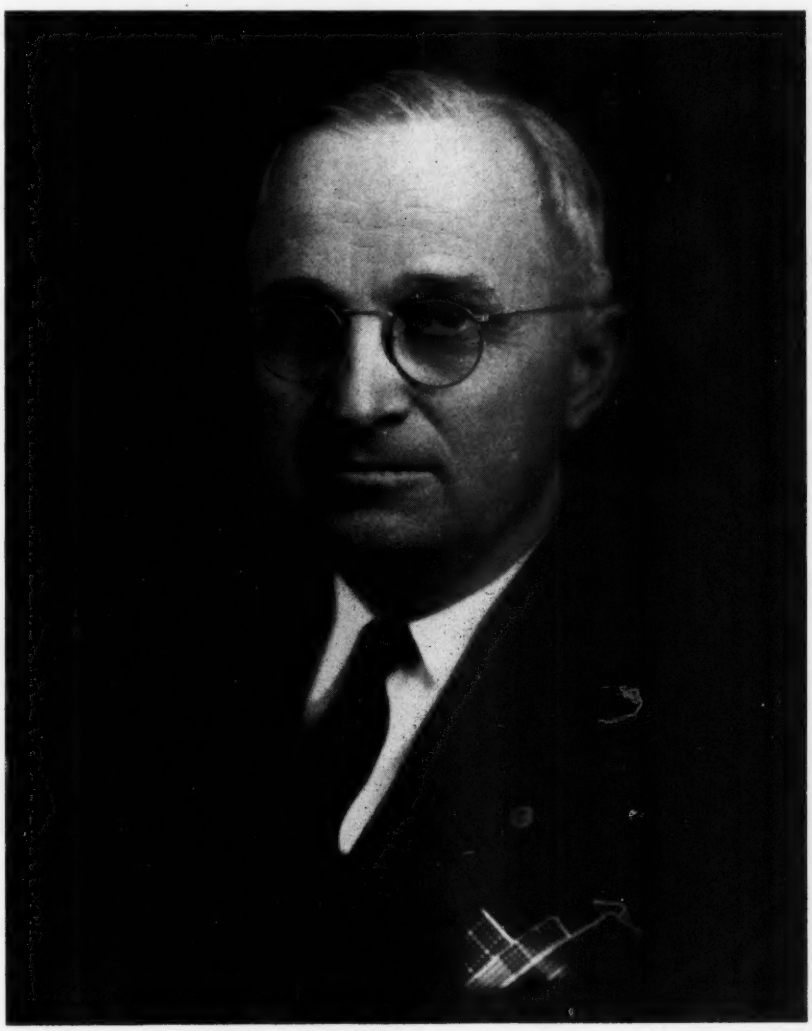
The oil industry's contacts with Truman have, for the most part, been satisfactory. As chairman of the special Senate Committee, he roundly denounced the Army's costly and unsuccessful Canol oil project; urged increased oil exploration and, in one committee report, commented that higher oil prices might be helpful in the nation's search for oil.

While the Truman Committee always had kind words to say about the manner in which the Petroleum Administration for War handled the tremendous job of supplying oil for the war effort, and also for Petroleum Administrator Ickes' management of PAW, there is no indication at present as to whether Mr. Ickes will stay on as Secretary of the Interior or whether he will be replaced by someone of President Truman's choosing.

Word has gone 'round that Mr. Ickes, if he remains, will no longer engage in the feuds with other public officials and with private individuals that have characterized his long reign as Interior Secretary. . . . The new President will not stand for quarreling in his official family, according to reports.

Edwin W. Pauley, president of Petrol Corp., of Los Angeles, and treasurer of the Democratic National Committee, is a man to watch in the early and formative days of the Truman Administration. Not only is the Californian being prominently mentioned as a probable choice for a big cabinet job, but he is perhaps closer to Mr. Truman than any man outside the Cabinet or the official family.

Ed Pauley was influential in turning the tide at Chicago against Henry Wallace and shares the honors



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JUST listen to the quiet operation of an "Oilwell" 21-inch Super-Speed Rotary and you'll know it is a well-designed machine. It is built for severe service with every detail designed to reduce wear to a minimum. This assures long life and low over-all operating cost. Because it is built and tested to perform satisfactorily at 1000 r.p.m., the "Oilwell" Super-Speed Rotary can be relied upon to give exceptional service at today's highest table speeds.

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1. *Quiet-operating spiral-bevel gear train*—Both gear and pinion are fully heat-treated for maximum toughness and wear-resistance. The pinion teeth, in addition, are surface-hardened.
2. *Self-centering angle-contact ball-and-race main bearing*—The races are through-hardened high-carbon alloy steel, especially designed for both high- and low-speed service.
3. *Extra-wide heavy-duty bronze radial and hold-down bearing*—Fitted low in the base for maximum steadying effect and wear-resistance. The bearing flange is submerged in a shock-absorbing cushion of oil.
4. *Forced-feed lubrication* in addition to the circulating oilbath lubrication gives extra insurance against excessive wear at any speed.
5. *Oilbath enclosure is effectively sealed* at both the top and bottom against loss of lubricating oil and intrusion of mud and water.
6. *Sturdy unitized pinion-shaft assembly*—The complete assembly is enclosed in a one-piece cartridge-type housing, which fits into and is easily removed from a cylindrical opening in the base casting.

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UNITED STATES STEEL

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"Oilwell" Rotary.....	21-inch Super-Speed	17½-inch Oilbath	27½-A Oilbath
Rated Supportable Dead-Load Capacity....(tons)	300	200	300
Maximum Recommended Drilling Depth....(feet)	17,000	7,500	17,000
Maximum Recommended Table Speed....(r.p.m.)	1,000	400	400
Gear Ratio.....	2.61:1	3.93:1	3.84:1

For information on other "Oilwell" rotaries or major items of drilling and production equipment, please refer to pages 2233 to 2268 in The Composite Catalog of Oil Field Equipment. Or, inquire at the nearest "Oilwell" store or office.

"OILWELL"

with Robert E. Hannegan, chairman of the National Committee, for assuring Mr. Truman the vice-presidency. He has been an intimate friend of the new Chief Executive for many years.

But Pauley, who was offered several Cabinet and "Little Cabinet" jobs during the Roosevelt Administration, still prefers to remain an oil man.

"I can be just as effective, if not more so, in an unofficial capacity," he told CALIFORNIA OIL WORLD. "I have never wanted to take one of those positions that would tie me down. I will do anything to help the President I can. That would be my preference."

It may be, however, that Pauley will eventually be talked into a "tied-down" job.

The knowledge that a Californian and an oil man is likely to be a close adviser to Mr. Truman on matters concerning the industry is generally pleasing. Also encouraging is the fact that Mr. Truman's succession to the presidency will take the balance of power away from the New Yorkers who now predominate in Cabinet and agency positions and distribute it more evenly through the country. The West and South will benefit under the new set-up.

Partly because of the general disorganization in Washington which characterized the change-over in administrations and partly because California and other interested states are anxious to make the most thorough presentation possible, action on tidelands legislation now pending in House and Senate is likely to wait a month or more. Reports from the West Coast indicate Special Assistant Atty. Gen. William W. Clary—deputized by Atty. Gen. Robert W. Kenny to head up California's tidelands fight—will return to Washington in mid-May.

The remarkable flip-flop done by Secretary Ickes on the tidelands matter still is causing gossip and considerable amusement in Washington circles. From assuring Rep. Clyde Doyle (D., of Los Angeles) on two separate occasions that he was determined to grant one, or more, applications for leases in the vicinity of Seal Beach, Ickes now takes the position that the Department of Justice could do a "quicker" job by filing suit against the State of California. . . . The Justice Department, incidentally, has not yet made its attitude on the tidelands matter clear, although a special tidelands subcommittee of the Senate Judiciary Committee, headed by Chairman Pat McCarran (D., Nev.), requested an opinion from the Department on March 24.

Discovery of untold importance to the case against government usurpation of the Tidelands was made by Rep. Harry Sheppard, of California, who turned up definite evidence Navy Department has purchased an undetermined number of privately-owned tracts on Tidelands in the Pacific Coast area.

Deals not only were first cleared by certain Title Guaranty Companies and confirmed by a Federal Court, but Government agencies with concrete knowledge that title to the Tidelands was in doubt, and that a court test was being urged to determine the status of ownership, officially cleared the transactions.

Details of the West Coast land acquisitions and the manner in which Sheppard discovered the skeleton in the Navy's closet will not be made public until the Californian picks the crucial moment in which to detonate his bombshell, but this reporter was shown documents proving beyond doubt that the Navy completed the transactions with official Government sanction.

Purchase from private owners of Tidelands properties with U. S. approval largely destroys the Government's contention that submerged and reclaimed lands belong to the United States, according to Sheppard, who is chairman of the House Naval Appropriations Committee.

Another vitally important consequence of his disclosure will be the reaction among Title Insurance Companies throughout the country, because Navy's activities on the West Coast will jeopardize billions of dollars tied up in port and city developments throughout the Coastal United States.

Blackstone Studios

E. W. Pauley

In connection with the row over State vs. Federal ownership of lands lying between the line of mean high-tide and the maritime limit of three miles or more, it must be remembered that President Truman will be in the top position to deal with the Justice Department in the event of a suit. . . . With Ed Pauley in close contact with the President—and Pauley discussed tidelands with Mr. Truman at length, shortly before President Roosevelt's death—it requires little imagination to figure out the White House stand on this important problem.

While nothing spectacular has developed on tidelands in Washington in recent weeks, an important mission was carried out by W. Reginald Jones, counsel for the Oakland Port Authorities, who came through here 10 days ago to talk with members of Congress about the quit-claim legislation.

Jones later conferred with Leander I. Shelley, general counsel of the Association of American Port Authorities' Standing Committee on Submerged and Reclaimed Lands, in New York. The Californian, who is secretary of the committee, chairman of a similar committee of the Pacific Coast Port Authorities and an official of the California Associa-

(Continued on Page 80)

Baash-Ross News

BAASH-ROSS TOOL COMPANY • LOS ANGELES • HOUSTON • NEW YORK

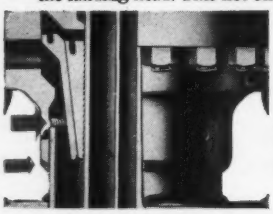
OUR 25th YEAR

Here's how you get positive pressure control THROUGHOUT THE LIFE OF THE WELL with Baash-Ross Casing and Landing Heads!

NO MATTER how you are now handling your casing programs, it will pay you to study carefully the important advancements engineered into Baash-Ross Casing and Landing Heads. For *throughout the life of the well*—from the day the head is first installed to the day the well is completely abandoned—Baash-Ross Heads enable you to maintain positive pressure control on *all* casing strings with maximum simplicity, safety and efficiency . . .

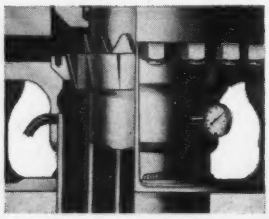
SAFER TO INSTALL!

1. TWO FULL-CIRCUMFERENTIAL WELDS are used to join the casing to the landing head. This not only forms a *double* seal against leaks, but also provides a channel by which both welds can be quickly and simultaneously checked for pressure-tightness (as outlined below) *before they are put in service.* And this double-weld feature has the added advantage of giving *double* support to the casing string.

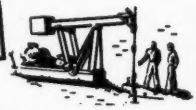


2. STRONGER WELDS are also assured by another Baash-Ross design feature. Note that the support flange is specially engineered with a wall section approximately equal to that of the casing. This insures uniform heat distribution between casing and flange when welding, resulting in a better, stronger weld than is possible with conventional thick-bodied heads.

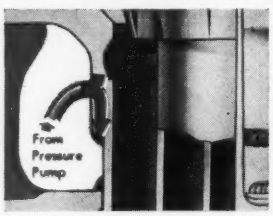
3. IMMEDIATE PRESSURE TEST can be made on the welds through threaded ports that are provided in the landing head body. Note that these ports connect directly to the annular space between the two welds. By simply attaching a gauge to one port and a pressure pump to the other, both welds can be simultaneously and instantly checked for pressure tightness. If a leak should be discovered, it can be quickly repaired while the welding equipment is still on the rig. This safeguards against leaks showing up after the head is in service!



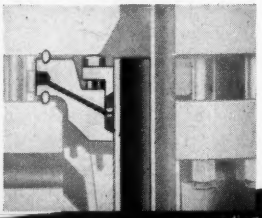
SAFER TO MAINTAIN!



4. QUICK PACK-OFF of any leaks that might develop over the years that the head is in service is provided by another unique feature. At any time during the life of the well the welds can be quickly retested for pack-off. If leaks are discovered there's no need to dismantle the head . . . kill the well . . . or even break connections. Simply pump plastic packing in through the threaded ports, thus filling the annular space between the welds and sealing off *all* leaks, small or large.



5. SUCCEEDING STRINGS also have the same lifetime control features. Note how packing element for succeeding strings has an annular space between packing rings. Outside ports connect to this channel so that the pressure seal can be quickly tested after installation. Moreover, *at any time during the life of the well* any string can be individually re-tested and leaks plastic-packed. There's no need to disturb the well or even break connections. It's far safer, too, because no re-welding is necessary. Welding is always dangerous around a well on production!



GET the complete facts on these important advancements in Landing and Casing Head design . . . on how you can obtain positive pressure control of each string in your casing program throughout the life of the well. Baash-Ross Casing and Landing Heads are available in both welded and slip suspension types for use with all standard API flanges, tubing heads and spools. Write direct for recommendations to fit your particular casing program. Also, more details are on page 268 of your Composite Catalog!

Application of Alignment Chart to Rapid Solution of Production Forecasting Problems

By L. R. Merryman

The British-American Oil Producing Company, Los Angeles, Calif.

The alignment chart shown in the February 27th issue of the CALIFORNIA OIL WORLD was designed to solve problems that require repeated computation when preparing a forecast of production. Although the alignment chart shown herewith does not have so wide an application as the previous one, it can be used to solve problems rapidly that involve division of negative characteristics for logarithms that are confusing unless frequently worked with by the engineer.

The previous chart was designed to solve l, s, or r in the following formulas, which are derived from the laws of geometrical progressions:

$$l = ar^{n-1} \quad \ldots\ldots\ldots\ldots\ldots\ldots (1)$$

$$s = a\frac{(1-r^n)}{1-r} \quad \ldots\ldots\ldots\ldots\ldots (2)$$

where

a = first term,

r = ratio

l = last term,

s = sum, and

n = number of terms

The accompanying chart is primarily designed to solve for n and like the previous chart can be used in reverse to solve for r or l if certain basic data is available.

Theoretically the accompanying chart is applicable only to those wells that are known to decline in conformity with a geometrical series that is also called "expotential", "semilog", or "constant percentage" decline. If, however, an engineer should assume that the future production will follow this type of curve, he may use the chart, and because many engineers make this assumption when a rough estimate will suffice, the charts may be used for many types of decline curves.

For the purpose of illustration, an oil property which is currently producing at the rate of 150 barrels per day is selected and it is assumed that the wells will decline at the average rate of 12 per cent per year.

The following tabulation shows the arithmetical computation of the future production rates:

Producing property declining at 12% per year.

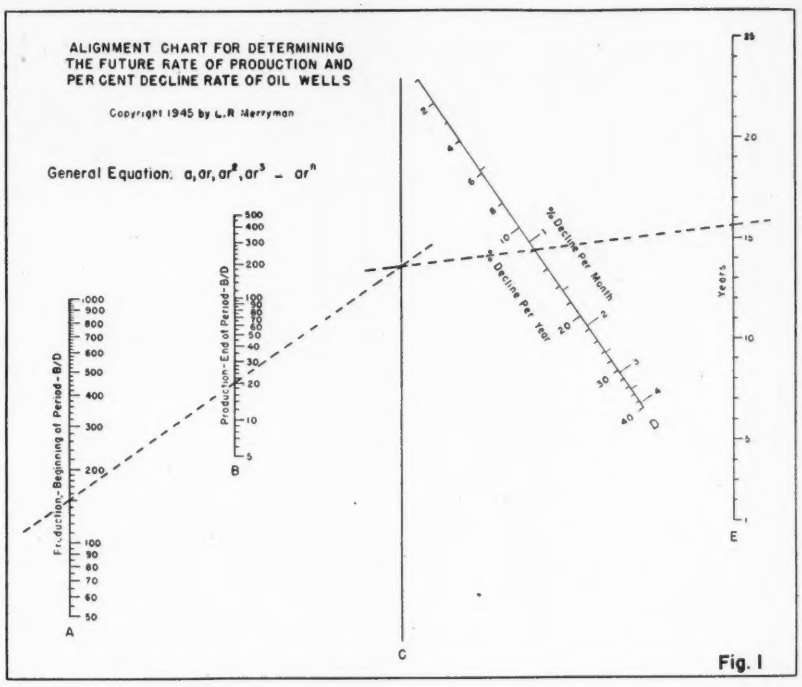


Fig. 1

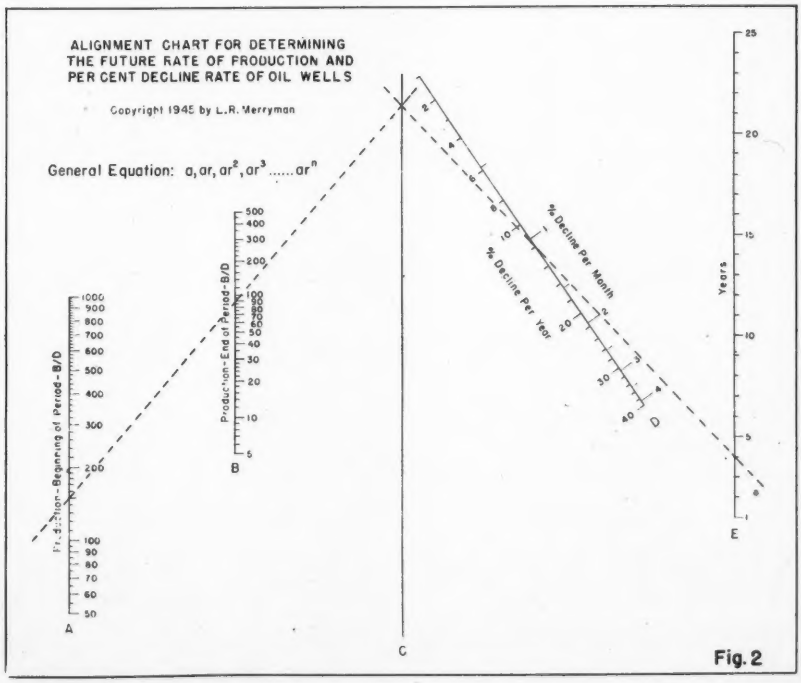
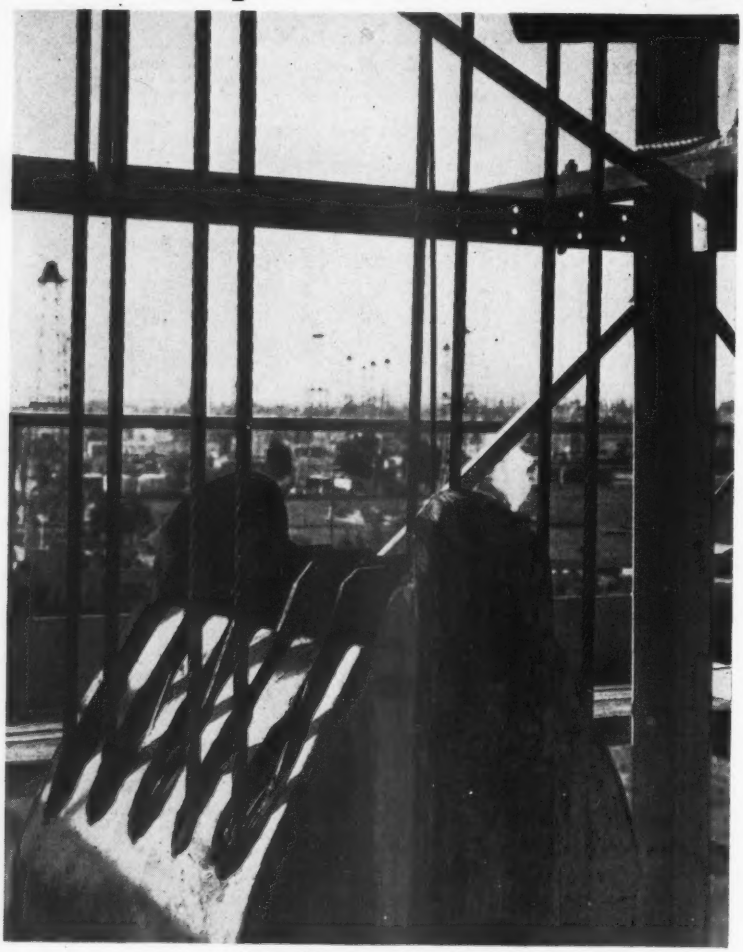


Fig. 2

The Double Blue Line

Wire Rope FOR ACTION



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MEDEARIS OILWELL SUPPLY CO.
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Factory: 3411 First Avenue South
SEATTLE, 14, WASH.

Year	Production rate—barrels
Present	150
End of 1st year	132
End of 2nd year	116
End of 3rd year	102
End of 4th year	90
End of 5th year	79
End of 6th year	70
End of 7th year	61
End of 8th year	55
End of 9th year	47
End of 10th year	42
End of 11th year	37
End of 12th year	32
End of 13th year	28
End of 14th year	25
End of 15th year	22
End of 16th year	19
End of 17th year	17
End of 18th year	15

The accompanying production chart, figure No. 4, is presented to show the form of the decline curve being considered.

The following examples show how the alignment chart can be used to solve problems of future production and decline rates easily and quickly.

Example No. 1: It is desirable to estimate how many years it will be before a property will reach its economic limit. The engineer believes, from past history, that the decline rate will be 12% per year. The property is currently producing at the rate of 150 barrels per day and it is assumed that when the production reaches 20 barrels per day the property will no longer be economical. The solution is illustrated on figure No. 1. The procedure is as follows:

a. A straight edge is placed at 150 on scale A and at 20 on scale B, then a point is marked on line C.

b. The straight edge is next placed at the marked point on line C and at 12% on scale D. The answer, approximately 15½ years, is then read on scale E. The answer can be verified by checking the table at the beginning of the article.

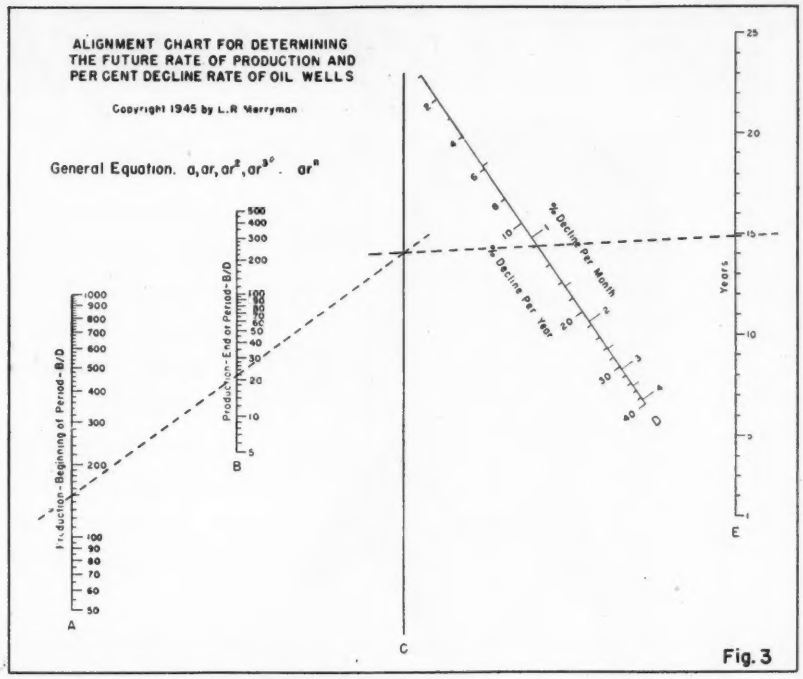

Fig. 3

Example No. 2: A five-year production curve on semilog paper shows virtually a straight line. The first production is 150 barrels per day and four years later the production is 90 barrels per day. It is desired to determine what the average percentage decline per year has been. The solution is illustrated on figure No. 2. The procedure is as follows:

a. A straight edge is set at 150 on scale A and at 90 on scale B, then a point is marked on line C.

b. The straight edge is then set at the marked point on line C and at 4 years on scale E. The answer, 12 per cent per year, is then read on scale D.

Example No. 3: A well is now producing at the rate of 150 barrels per month. It is desired to know how much the well will be producing in 15 years. Experience for this type of well justifies an assumption that the well will decline at the rate of 12 per cent per year. The solution is illustrated on figure No. 3. The procedure is as follows:

a. A straight edge is set at 15 years on scale E and at 12 per cent per year on scale D and a mark is made on line C.

b. The stragiht edge is then set

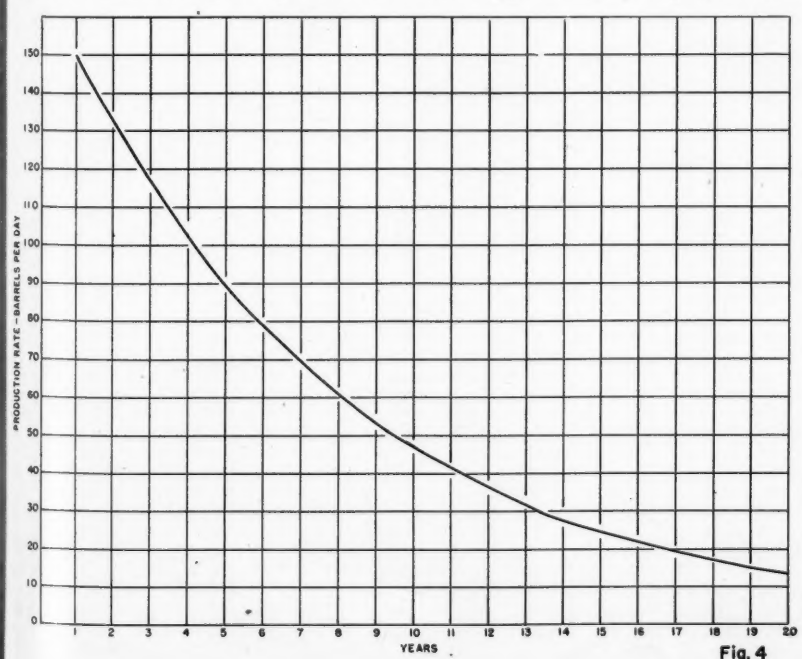

Fig. 4

Yes, "Chief" is mighty pleased!

"Chief" Musolf, deep hole digger, was making hole with a WILSON Rig in the Philippines when the Japs took over. We thought they had him, but "Chief" moved faster than the Jap war machine. Now he's back in California, and he's mighty pleased, too — pleased to be alive and home again — pleased to be back at the brake making straight, fast hole with his favorite Rig.

"Chief" says: "For all-around dependability, WILSON is my choice."

H&B SALES COMPANY

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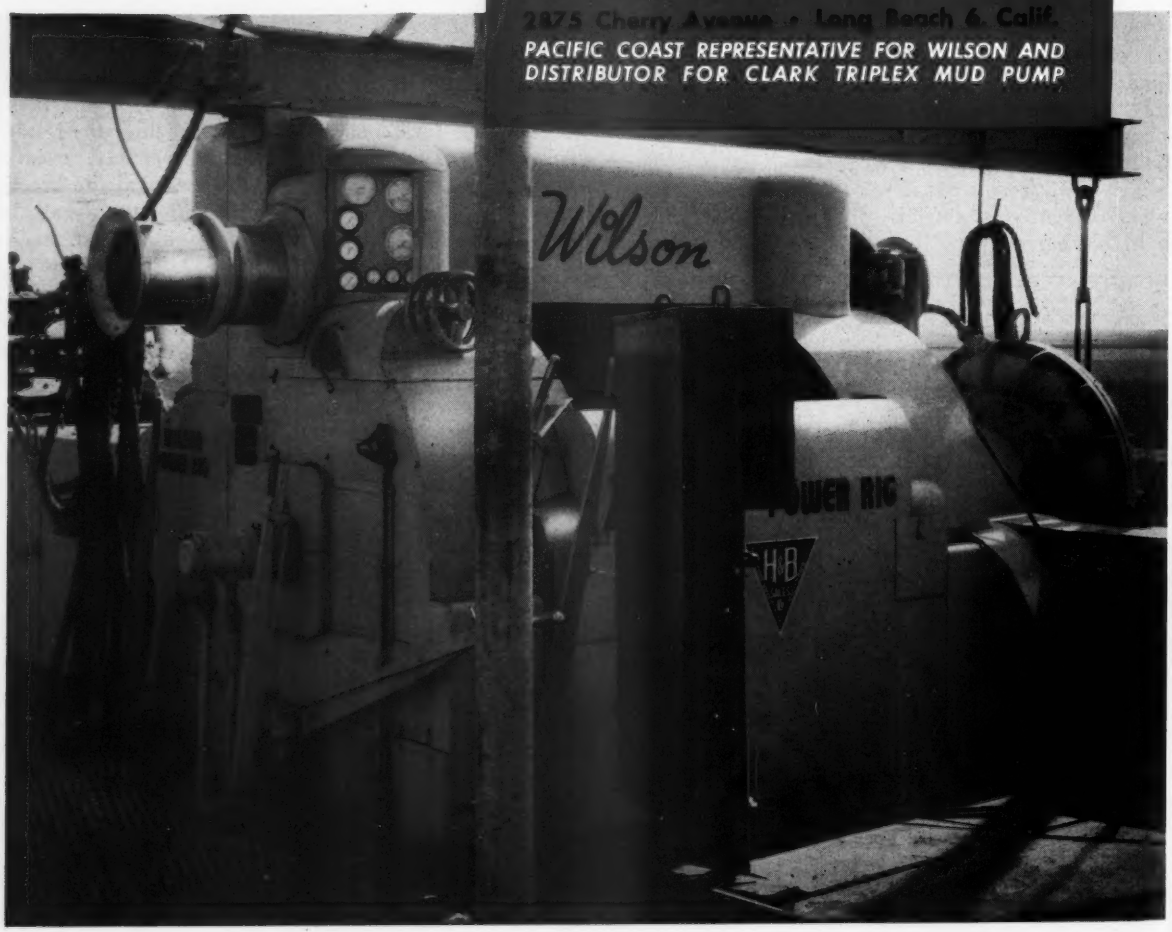
PACIFIC COAST REPRESENTATIVE FOR WILSON AND DISTRIBUTOR FOR CLARK TRIPLEX MUD PUMP



at the point marked on line C and at 150 barrels per day on scale A. The answer, 22 barrels per day, is then read on scale B.

When using the chart it must be remembered that it was designed to determine what the rate of production in the future would be and consequently the first year considered is actually the second term in the geometrical progression shown on the chart. This can best be understood by examining the table of production showing the decline rate.

In order to utilize the chart it is necessary to have a good record of past production performance for the wells or properties being studied. It is also necessary for the engineer to use sound judgment when assuming the economic limits of production and future decline rates. The writer wishes to emphasize that the charts presented this month and in February are only a means of solving the mathematical calculations for the types of wells described and cannot be used to solve the problems of future production until a competent petroleum engineer has determined what conditions will govern future production. The charts, however, will enable a careful user to determine answers in a few minutes that would take hours if it were necessary to make the computations or plot the curves and extrapolate them.

BUY WAR BONDS

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Since 1904
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USERS SAY . . .

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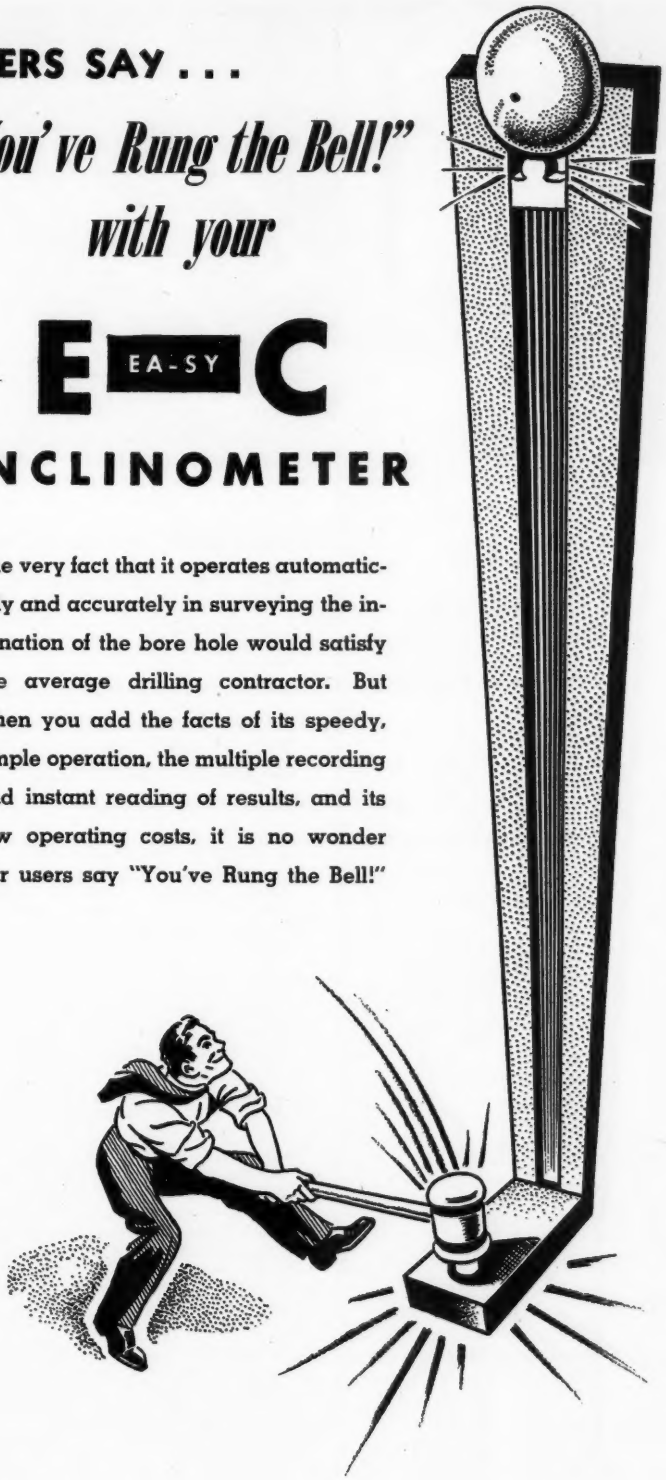
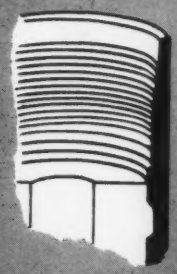
INCLINOMETER

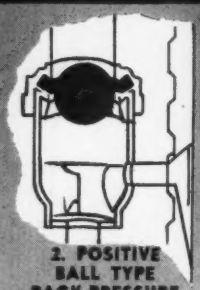
The very fact that it operates automatically and accurately in surveying the inclination of the bore hole would satisfy the average drilling contractor. But when you add the facts of its speedy, simple operation, the multiple recording and instant reading of results, and its low operating costs, it is no wonder our users say "You've Rung the Bell!"



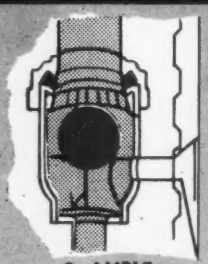
SPERRY-SUN WELL SURVEYING CO.
Offices: Philadelphia, Pa.; Houston, Corpus Christi, Marshall, Odessa, Texas; Lafayette, La.; Long Beach, Bakersfield, Calif.; Oklahoma City, Okla.; Casper, Wyo.



1. STRENGTH

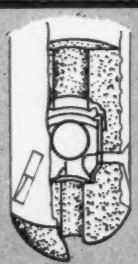


2. POSITIVE BALL TYPE BACK-PRESSURE VALVE



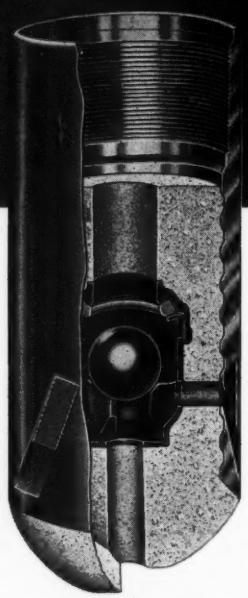
3. AMPLE CIRCULATION AREAS

4. BAFFLED WHIRLER PORTS



5. EASY DRILLABILITY

Landing & Cementing Casing



PRODUCT 120
Baker Cement Wash-Down Whirler Float Shoe

Do It Right and Do It the First Time With A BAKER CEMENT WASH-DOWN FLOAT SHOE

Here's why the Baker Cement Wash-Down Whirler Float Shoe provides best possible assurance of first-time successful results when landing and cementing casing.

1. *Strength*—The seamless steel casing shoe into which the concrete plug and plastic Ball-Type Valve Assembly are securely anchored, provide a unit that has the *strength* to float the longest and heaviest string of casing with an ample factor of safety.

2. *Positive Leak-Proof Back Pressure Valve.* The buoyant plastic Ball-Type Back-Pressure Valve floats in the cement slurry or rotary mud and instantly forms a leak-proof double seal against a narrow, tough rubber ring (backed by plastic and concrete) at the slightest reversal of pressure.

3. *Ample Circulation Areas.* The correctly designed, streamlined Valve Assembly provides passageways ample for any circulating or cementing operation.

4. *Baffled Whirler Ports.* These whirler ports provide the important wash-down whirler action so advantageous in circulating and cementing operations. When the fluid strikes these baffled ports, a downward and then an upward whirling motion results. In running in, this whirling action provides a means of effectively washing away bridges. During cementing, the whirling action imparted first to the fluid preceding the cement slurry and then to the slurry itself, properly prepares the hole to receive the cement. It then assures best possible distribution of a uniform body of cement around the shoe and the shoe joint, reducing the hazard of channeling to a minimum.

5. *Easy Drillability.* Complete and easy drillability results from the internal construction of Baker Formula Concrete and Plastic . . . the Plastic Ball-Type Valve Assembly being set on end in the concrete plug to present a minimum cross-sectional area to the drilling bit. The concrete and Plastic are quickly and easily drilled up and circulated out of the hole.

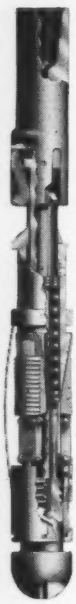
BAKER OIL TOOLS, INC.
Houston—LOS ANGELES—New York

CALIFORNIA OIL PRODUCTION AND DEVELOPMENT DATA
CUMULATIVE PRODUCTION — GRAVITY RANGE

	OIL PRODUCTION (Barrels) 1944	Cumulative To 1-1-45	GRAVITY RANGE A.P.I.
SAN JOAQUIN VALLEY			
BELRIDGE NORTH	2,343,388	50,145,820	.....
Shallow	18,529	4,703,872	12-22
Temblor	347,576	17,200,754	34-40
"R" Sand	13 488	142,615	-32
Wagon Wheel	1,713,062	27,666,181	34-54
"Y" Sand	251,003	432,398	.....
BELRIDGE SOUTH	3,981,712	30,393,630	.....
South Belridge Area—Shallow	3,976,910	30,366,896	20-29
Middle Belridge Area—Shallow	4,802	26,734	.....
BUENA VISTA	6,888,397	299,610,059	.....
Buena Vista Front	1,349,897	.....	27-24
Buena Vista Hills	5,538,500	.....	.....
Sec. 27	1,769,733	1,769,733	.....
Others	3,768,767	.....	11-28
CANAL—Stevens	1,296,490	10,399,848	35-37
COALINGA EAST	33,645,289	319,844,218	.....
Main Area	8,001,320	241,710,317	12-23
Temblor	7,965,122	239,446,799	.....
Cretaceous	36,198	2,263,518	.....
Coalinga Nose Area—Eocene	20,771,526	60,952,928	35
Coalinga Northeast Area—Eocene	3,929,867	16,003,584	29-42
Pleasant Valley Area—Eocene	942,576	1,177,389	29
COALINGA WEST—Main	2,656,849	153,277,991	12-17
COFFEE CANYON	565,957	11,483,020	15-17
New Area	417,420	5,402,352	.....
Old Area	148,537	6,080,668	.....
COLES LEVEE NORTH	5,769,791	19,561,331	31-44
Northwest Area	26,821	165,764	.....
Richfield Western Area	5,742,970	19,395,567	.....
Western	5,238,363	17,632,265	.....
21-1	504,607	1,763,302	.....
COLES LEVEE SOUTH	924,717	7,288,303	34-59
EDISON	1,035,720	11,254,701	.....
First Duff	456,025	6,621,576	14-21
Second Duff	577,448	4,630,878	16-28
Fairfax Area	2,247	2,247	.....
ELK HILLS	7,722,107	175,195,688	.....
Main—Upper	7,690,733	175,053,381	.....
Lower	30,177	141,110	.....
Northwest	1,197	1,197	.....
FRESNO AREA	3,009,229	4,733,810	.....
BURREL	6,213	12,141	32-33
HELM	499,822	750,030	.....
Temblor—Upper	47,122	67,387	.....
Lower	21,215	85,360	.....
Eocene	431,485	597,283	.....
JACALITOS ANTICLINE	227,150	405,525	32-65
Northwest Area	72,455	72,455	.....
Southwest Area	154,695	333,070	.....
LANARE	53,120	67,989	.....
Miocene	31,406	46,275	.....
Eocene	21,714	21,714	.....
PANOCHE CREEK	.....	5,218	.....
RAISIN CITY	926,810	1,676,143	23-36
Miocene	495,183	1,159,032	.....
Eocene	431,627	517,111	.....
RIVERDALE	1,523,264	2,222,289	35-41
Miocene	775,116	1,375,873	.....
Eocene	748,148	846,416	.....
TURK ANTICLINE	.....	2,445	.....
FRUITVALE—Martin-Kernco	3,027,677	32,190,729	15-24
GREELEY	5,215,847	19,028,561	32-58
Greeley	284,072	3,652,763	.....
11-2	4,931,775	15,375,798	.....
KERN FRONT—All Pools	3,194,563	55,828,714	12-16
KERN RIVER—All Pools	3,478,123	286,927,354	12-15
KETTLEMAN NORTH DOME	15,134,783	295,640,550	.....
Temblor	12,530,843	285,137,612	34-57
North	5,994,287	239,607,605	.....
South	6,586,556	45,530,007	.....
Vaqueros	1,697,807	3,644,816	38
Eocene	906,133	6,858,122	47
KETTLEMAN SOUTH DOME	.....	534,111	.....
LOST HILLS	1,272,352	55,287,711	13-35
Main Area	1,158,513	53,305,193	.....
Williamson Area	113,839	1,982,518	.....
McKITTRICK DISTRICT	1,793,389	97,658,047	.....
CYMRIC	273,744	.....	11-15
McKITTRICK	1,182,769	.....	14-15
McKITTRICK FRONT	331,004	.....	13-15
Upper	54,696	.....	.....
Lower	276,308	.....	.....
TEMBLOR RANCH	5,872	.....	11-15
MIDWAY-MARICOPA DISTRICT	15,119,810	675,441,258	.....
Lake View	1,381,112	25,638,272	21-23
Gibson	79,634	1,786,584	22
Maricopa Flat	273,937	.....	17-31
Midway East	3,614,574	.....	19-29
Midway West	8,451,818	.....	11-26
Quality	741,444	8,125,556	16
Republic	321,456	.....	.....
Section 6	255,835	348,647	13-21
MOUNT POSO DISTRICT	7,959,947	78,131,476	.....
BAKER	164,160	2,151,023	.....
DOMINION	148,876	2,032,620	15-16
DORSEY	169,567	979,398	14-15
DYER CREEK	324	27,756	.....
MOUNT POSO—Main Area	6,731,379	67,667,408	14-17
NORTH MOUNT POSO	669,778	5,142,488	.....
SUNSET	11,131	58,558	.....
VEDDER	64,732	64,732	16
WEST MOUNT POSO	.....	7,493	.....
MOUNTAIN VIEW	1,154,277	44,689,316	.....
Northwest Area	252,253	12,487,230	20-30
Southeast Area	806,909	29,570,595	28-33
Earl Fruit Area	29,488	944,203	33
Arvin Area	65,627	1,687,288	32
SAN JOAQUIN VALLEY—Cont.			
PALOMA	1,228,972	2,007,679	48-55
Paloma	1,207,566	1,969,611	.....
Symons	21,406	38,068	.....
POSO CREEK DISTRICT	1,694,997	7,675,157	11-15
McVAN	29,282	293,259	.....
PREMIER	1,629,785	7,345,968	.....
PREMIER, EAST	35,930	35,930	.....
RIO BRAVO			
RIO Bravo—Vedder	5,920,530	27,681,909	37-40
ROUND MOUNTAIN DISTRICT	3,334,359	31,165,304	13-18
Main Area	2,309,295	24,709,285	.....
Jewett	339,648	4,671,706	.....
Vedder	1,969,647	20,037,579	.....
Northwest Area—Vedder	516,974	4,325,765	.....
Pyramid Area—Vedder	355,952	1,957,502	.....
West Area—Vedder	152,138	172,752	.....
STRAND	634,871	2,848,664	34-35
Stevens—Upper	254,866	1,685,279	.....
Lower	380,005	1,163,385	.....
STRAND—EAST	180,252	278,575	34-35
TEN SECTION—Stevens	4,623,765	31,578,442	35-36
WASCO	822,791	3,771,776	31-39
Shale	743	4,907	.....
Vedder	822,048	3,766,869	.....
WHEELER RIDGE—All Pools	91,456	4,204,898	22-25
WILLIAMS—Williams	673,759	1,527,023	16
OTHER FIELDS			
ANTELOPE PLAINS	5,606	5,606	.....
ANT HILL	17,018	17,018	.....
ARVIN	13,580	118,369	30
BELLEVUE	158,036	158,036	.....
BLACKWELL'S CORNER	40,607	40,607	13
CANFIELD	25,013	141,519	28
CHICO MARTINEZ	6,498	28,642	.....
DEVIL'S DEN	1,583	18,034	17-20
GOULD HILLS	419	419	.....
GOSFORD	11,676	11,676	.....
GRAPEVINE	.....	91,392	23
KERN BLUFF	1,430	1,430	.....
McCLUNG	47,524	66,253	30
PYRAMID HILLS	71,389	135,789	20
QUINN RANCH	50	200	.....
RACETRACK HILL	6,944	6,944	.....
SHAFTER	5,868	54,571	37
SHEEP SPRINGS	35,250	35,250	.....
TEJON RANCH			
Old Area	57,662	61,214	.....
Metzenbaum	3,802	3,802	.....
TERRA BELLA	.....	19,613	.....
UNION AVENUE	37,270	194,229	15
MISCELLANEOUS	.....	12,790	.....
SAN JOAQUIN VALLEY TOTAL	147,170,541	2,848,917,046	
COASTAL			
Santa Barbara District	3,244,564	88,515,184	.....
CAPITAN	1,080,024	8,749,124	.....
Vaqueros	1,037,736	6,745,675	18-22
Sespe	42,288	2,003,449	40-42
ELWOOD	2,129,347	73,110,633	.....
Vaqueros	2,090,024	70,538,664	33-38
Sespe	39,323	2,571,969	40-42
SANTA BARBARA—Vaqueros	33,068	3,485,404	15-19
SUMMERLAND—All Pools	2,125	3,169,023	19
Santa Maria District			
Bradley Canyon	4,966	4,966	9
CASMALIA—All Pools	179,506	14,990,483	8-22
CAREAGA	627	627	.....
CAT CANYON	2,531,706	24,643,612	.....
East	103,276	3,829,273	7-10
West	507,532	16,925,016	.....
Las Flores	1,920,898	3,889,323	16
GATO RIDGE—Tognazzini	1,770,227	9,865,212	11-14
LOMPOC—All Pools	644,027	11,852,578	19-21
ORCUTT—All Pools	1,459,334	101,557,362	19-25
SANTA MARIA VALLEY	11,306,301	49,246,184	9-18
Ventura District	21,571,694	317,020,799	.....
PADRE CANYON—All Pools	491,608	2,935,069	19-30
RINCON	1,502,087	17,804,604	27-30
Hobson-Tomson-Miley & Deep	871,604	15,606,256	.....
North Block Hobson-Tomson	315,062	1,776,199	.....
Miley	315,421	422,149	.....
SAN MIGUELITO	2,090,517	10,769,351	29-34
Grubb One	1,853,958	.....	.....
Grubb Two	236,559	.....	.....
VENTURA AVENUE	17,487,482	285,511,775	26-31
Shallow	8,668,475	233,643,492	.....
A-3; B-3	842,898	20,762,166	.....
B-1, 2	35,551	334,975	.....
B-4; B-5	754,313	3,271,925	.....
C-1, 2 West	195,136	1,649,012	.....
C-3 West	1,214,415	8,468,167	.....
C-6 West	.....	.....	.....
"C" Block	5,506,794	198,896,906	.....
Deep	8,819,007	51,868,283	.....
D-3	554,485	2,642,853	.....
D-4	95,869	844,933	.....
D-5 West	2,267,803	17,824,076	.....
D-5, 6 East	3,350,381	25,352,831	.....
D-6 West	1,147,810	2,900,086	.....
D-7	1,402,659	2,303,504	.....
VENTURA-OJAI			
TIPTOP-FRESNO CANYON	3,620	(C)	.....
LION MOUNTAIN	557	78,358	19

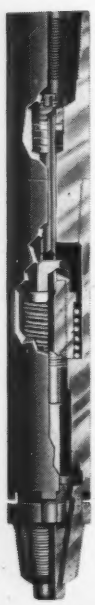
DON'T MAKE THAT FISHING JOB TOUGHER

Use These Safe, Positive-Operating Fishing Tools



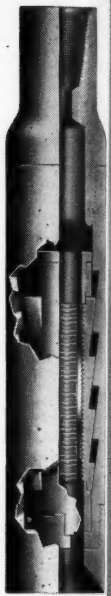
SHAFFER INSIDE CASING CUTTERS

This successful tool has been used for years in every active oil field for cutting off casing, tubing or liners. It is run on either drill pipe or tubing; is compact and positive in operation; and cannot creep downward after the initial set. The knives are located close to the slips which prevents chattering, and the Cutter is easily released and moved up or down the hole for repeated cuts. A simple, positive counting device registers the number of cuts made. By using the "cut and pull" method, many cuts and many round trips can be eliminated with complete safety.



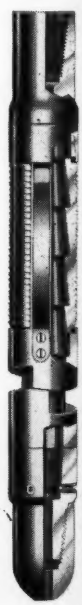
SHAFFER EXPANDING PIN TAPS

Have you ever wanted to left-hand or back-off a string of drill pipe (with the tool joint box or coupling up) which was stuck in a tight hole so close that you could not get a socket over it? A Shaffer Expanding Pin Tap handles these difficult jobs most effectively. The Pin Tap is run into the hole and made up with the fish as an ordinary joint. The string of pipe is raised slightly to release the eccentric slips, and then turned to the left. The slips expand, but cannot unscrew, so that the fish has to "left-hand" somewhere below the Pin Tap.



SHAFFER-HAMON ROTARY RELEASING SOCKETS

These efficient sockets are positive both for holding and releasing; they recover miscellaneous loose fish as well as heavy stuck ones; and they have been universally used for years to recover drill pipe, casing, liners, tubing, or any other "fish" for which a socket may be used. The slips have a large amount of expansion and contraction, so that worn fish are caught by slips bored for a slightly larger size. Simplicity of design insures safe operation and long service. All of the above tools are described in detail in the Composite Catalog, or the 1944 Shaffer General Catalog which should be in your files for handy reference. Ask for your copy today.



SHAFFER-HAMON ROTARY RELEASING SPEARS

For removing casing or pipe; for setting liners; for holding or left-handing jobs; and for use with any type of rotary jar, Shaffer Rotary Releasing Spears are without an equal for efficiency and safety. They take hold with a bulldog-like grip, but the releasing feature is simple and positive.

Experienced, Cooperative Service Men are available 24 hours a day, every day of the year... Just Phone...

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CALIFORNIA OIL PRODUCTION AND DEVELOPMENT DATA
CUMULATIVE PRODUCTION — GRAVITY RANGE

	OIL PRODUCTION (Barrels) 1944	Cumulative To 1-1-45	GRAVITY RANGE A.P.I.
COASTAL—Continued			
Santa Paula-Newhall District			
FILLMORE	730,165	18,540,961	.....
BARDSDALE	75,440	3,606,905	18-34
Elkins Area	6,033	14,759	.....
Other Areas	69,407	3,592,146	.....
SESPE CANYON	82,348	3,191,616(A)	17-34
SHIELLS CANYON	566,574	11,742,440	27-33
TOPA-TOPA	5,803	(A)	33
NEWHALL	3,808,426	17,930,309	.....
DEL VALLE	1,474,305	3,639,596	31-41
East			
DL4-DL5	4,087	4,896	.....
Sherman	280,534	1,326,534	.....
Del Valle	181,609	406,191	.....
Bering	116,019	201,503	.....
West			
Sterry	12,197	12,197	.....
Sepulveda	133,775	231,681	.....
Vasquez-Videgain	746,084	1,456,594	.....
NEWHALL	21,689	5,910,601(D)	.....
NEWHALL-POTRERO	1,893,785	7,473,531	34
OAK CANYON	416,458	906,581	29-34
Wickham	16,018	54,258	.....
Gilmour	96,852	97,726	.....
Lechler	303,188	754,197	.....
Maxwell Weaver	400	400	.....
PICO CANYON	.....	(D)	.....
WILEY-TOWSLEY CANYON	2,189	(D)	.....
PIRU	426,161	9,324,012	.....
HOLSER CANYON	6,338	26,208	17
HOPPER CANYON	32,730	(B)	14-32
MODELO	2,204	6,461,459(B)	20-26
TAPO-EUREKA	3,146	(B)	19-23
TEMESCAL	329,348	2,896,345	16-22
TORREY CANYON	52,395	(B)	28-38
SANTA PAULA	627,533	46,466,814	.....
EX-MISSION	9,890	22,164,019(C)	24-28
SISAR-SILVERTHREAD	44,222	(C)	.....
SOUTH MOUNTAIN	560,718	24,302,795	19-28
SULPHUR MOUNTAIN	.....	(C)	16-20
TIMBER CANYON	9,083	(C)	26-33
SIMI-CONEJO-OXNARD	459,035	3,490,047	.....
CONEJO	.....	174,101	.....
OXNARD	431,466	1,080,806	13
SIMI	27,569	2,235,140	21-36
Other Coastal Counties	66,477	1,361,194	.....
SAN LUIS OBISPO	58,163	919,353	.....
EDNA	28,955	780,174	14-22
HUASNA	.....	.....	8-10
PISMO			
Martin	6,484	113,358	.....
East Elberta	22,744	25,821	16
SAN MATEO			
HALF MOON BAY	.....	41,477	.....
SANTA CLARA	8,314	400,364	.....
LOS GATOS	180	60,889	22-26
SARGENT	8,134	339,475	16-22
COASTAL TOTAL	48,831,306	714,888,702	
LOS ANGELES BASIN			
ALAMITOS HEIGHTS—All Pools	257,089	24,999,419	25-30
ALISO CANYON	.....	.....	21-23
Porter	562,144	3,555,953	.....
Sesnon	525,073	710,330	.....
Faulted Sesnon	9,905	9,905	.....
Eocene	2,738	2,738	.....
BREA-OLINDA DISTRICT	4,270,336	180,116,760	.....
BREA	1,835,714	.....	.....
OLINDA	1,396,385	.....	.....
TONNER	1,038,237	11,642,473	18-29
COYOTE EAST	1,972,053	49,659,879	.....
Graham-Loftus-Hualde	922,541	42,186,203	13-25
Mathis	533,614	4,763,213	19-23
Stern	515,898	2,710,463	26
COYOTE WEST	4,433,323	138,083,996	.....
Murphy	1,572,112	.....	12-32
Ninety-nine	887,802	.....	25-32
Emery	1,826,801	14,391,952	25-33
East	915,013	4,829,092	.....
West	841,788	9,562,860	.....
McNally	13,221	88,057	30
Lower Ninety-nine	133,387	133,387	.....
DOMINGUEZ	7,872,378	155,170,828	26-33
Pliocene	5,590,316	126,680,837	.....
5th West Block	172,354	172,354	.....
Others	5,417,962	126,508,483	.....
Miocene	2,282,062	28,489,991	.....
7th Central Block	257,605	6,244,193	.....
8th Central Block	455,031	8,058,670	.....
South Central Block	322,316	3,358,208	.....
South-West Block	51,598	583,519	.....
West Block	1,039,114	8,895,641	.....
West Town Lot Block	156,398	1,349,760	.....
EL SEGUNDO	.....	.....	17-28
West Area	7,161	7,161	.....
Others	322,496	11,245,790	.....
HUNTINGTON BEACH NEW	11,069,636	111,966,176	.....
On-Shore	1,472,983	43,467,456	.....
Main Area & Tar Zone	991,577	42,651,650	13-31
A-37 Area	481,406	815,806	.....
Off-Shore	9,596,653	68,498,720	.....
Main	6,551,218	65,073,989	26
Jones	3,045,435	3,424,731	25
HUNTINGTON BEACH OLD	6,071,174	231,382,913	13-28

	OIL PRODUCTION (Barrels) 1944	Cumulative To 1-1-45	GRAVITY RANGE A.P.I.
LOS ANGELES BASIN—Cont.			
Bolsa Area	.....	214,302,899	.....
Tar Bolsa	513,140	.....	.....
Ashton	2,872,400	.....	.....
INGLEWOOD	6,460,262	145,805,304	.....
Vickers-Machado	3,094,649	117,110,269	12-25
Rindge	1,289,034	13,493,212	21-27
Rubel	1,399,902	12,321,492	32
Moynier	435	32,900	21
Sentous	646,242	2,847,431	30
LONG BEACH	10,791,858	698,985,925	.....
Old Area			
Upper	10,483,941	694,651,307	18-32
De Soto	103,860	673,186	29
Northwest Extension Area	204,057	3,661,432	22
MONTEBELLO	3,904,495	139,042,518	.....
Main Area			
Baldwin One-Two-Three	2,677,629	116,370,126	17-28
East Area	103,289	3,380,205	.....
Cruz	4,397	188,265	36-37
Nutt	98,892	3,191,940	37-43
West Area	1,123,577	19,292,187	.....
Fifth Zone	118,626	1,856,969	.....
Sixth Zone	74,907	1,596,860	38
Masser Zone	284,492	4,058,925	.....
Seventh Zone	142,640	1,678,419	36
Eighth Zone	493,435	10,091,537	35
Ninth Zone	9,477	9,477	.....
PLAYA DEL REY	946,933	50,592,105	.....
Del Rey Hills Area	253,003	9,526,460	19-23
Venice Area	693,930	41,065,645	19-25
POTRERO	399,660	5,329,360	34-47
Central Area	273,022	2,239,580	.....
East & West Area	126,638	3,089,780	.....
RICHFIELD	2,411,212	99,742,711	16-31
East Area	1,181,788	.....	.....
West Area	1,229,424	.....	.....
ROSECRANS-ATHENS	2,233,743	55,308,608	.....
Rosecrans Area	1,743,687	.....	.....
Maxwell-Hoge	210,628	.....	30-40
Zinns	220,433	.....	30-40
Miocene	1,332,626	17,104,909	.....
Banks Block	157,017	157,017	.....
Seventh	868,640	16,045,804	.....
Eighth	306,969	902,088	.....
Athens Area	470,056	.....	.....
Upper	101,773	.....	.....
Lower	269,324	.....	32-38
Miocene	98,959	551,615	.....
SANTA FE SPRINGS—All Pools	6,830,865	499,064,929	24-36
SEAL BEACH	2,566,360	73,542,267	.....
Bixby-Selover	640,894	26,127,535	15-27
Wasem	967,221	38,150,255	.....
McGrath	354,952	7,773,368	.....
North Block			
East Area—Wasem	264,580	1,096,375	.....
McGrath	319,331	375,352	.....
West Area—Selover	19,382	19,382	.....
TORRANCE-HERMOSA	3,179,554	113,228,984	.....
Hermosa Area	25,676	574,202	.....
Torrance Area	2,825,782	109,911,591	14-27
Main	1,521,740	95,214,631	.....
Thirty-four	502,137	9,886,580	.....
D. & B.	193,668	3,316,929	.....
Vesta	608,237	1,493,451	.....
Torrance Extension Area	328,096	2,743,191	.....
WHITTIER	383,261	19,555,825	.....
Bartola Area	.....	68,902	.....
Central Area	336,933	.....	.....
La Habra Area	15,181	51,703	.....
Rideout-Heights Area	31,147	.....	.....
WILMINGTON	36,765,173	244,593,861	14-31
Fault Block I (Terminal Area)	3,339,241	.....	.....
Ranger-Terminal	2,528,755	.....	.....
Ford	810,486	2,486,404	.....
Fault Block II (Terminal Area)	7,321,056	46,676,825	.....
Tar-Ranger	1,688,023	9,497,051	.....
Terminal	5,051,652	35,401,600	.....
Ford	335,951	1,249,236	.....
U. P.	245,430	528,938	.....
Fault Block III (Terminal Area)	5,152,578	17,617,704	.....
Ranger	2,637,663	6,834,763	.....
Terminal	2,452,611	10,680,106	.....
Upper	1,869,951	6,911,032	.....
Lower	582,660	3,769,074	.....
U. P.	62,304	102,835	.....
Fault Block IV (Harbor Area)	10,338,875	71,628,057	.....
Tar	83,517	113,657	.....
Terminal	10,255,358	71,514,400	.....
Fault Block V (Harbor Area)			
Terminal	907,939	7,012,657	.....
Fault Block IV & V (Harbor Area)			
Ranger	4,020,203	.....	.....
Town Lot Area	5,685,281	55,925,821	.....
Tar, Ranger & Terminal	5,360,657	.....	.....
Ford	324,624	.....	.....

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CALIFORNIA OIL PRODUCTION AND DEVELOPMENT DATA

CUMULATIVE PRODUCTION — GRAVITY RANGE

	OIL PRODUCTION (Barrels)		GRAVITY RANGE A.P.I.
	1944	Cumulative To 1-1-45	
LOS ANGELES BASIN—Cont.			
OTHER FIELDS	745,967	72,304,116	.....
BUENA PARK	36,650	123,549	21
CHINO	.....	2,536	20–21
KRAEMER	33,137	1,622,508	16–21
LAWNDALE	9,985	1,099,940	25–30
LOS ANGELES DISTRICT	183,019	66,583,841	.....
BEVERLY HILLS	39,077	.....	15–19
LOS ANGELES	59,728	.....	19–20
SALT LAKE	84,214	.....	14–16
NEWPORT BEACH	4,552	136,768	7–16
PUENTE HILLS	12,756	714,248	18–27
TURNBULL	86,560	331,598	24
WESTERN AVENUE	4,949	27,247	.....
YORBA LINDA	374,359	1,661,881	16–26
Shell	267,227	605,230	.....
Smith	107,132	1,056,651	.....
LOS ANGELES BASIN TOTAL	114,994,849	3,124,008,361	
STATE TOTAL	310,996,696	6,687,814,109	

Notes on Cumulative Totals in Coastal.

(A) includes Topa-Topa.
(B) includes Modelo, Tapo-Eureka, Torrey Canyon, Hopper Canyon.
(C) includes Timber Canyon, Sisar-Silverthread, Sulphur Mountain, Tip-Top Fresno Canyon.
(D) includes Elsmere Canyon, Pico Canyon, Wiley-Towsley Canyon.

STOCKS OF PETROLEUM PRODUCTS AT REFINERIES

Pacific Coast Territory

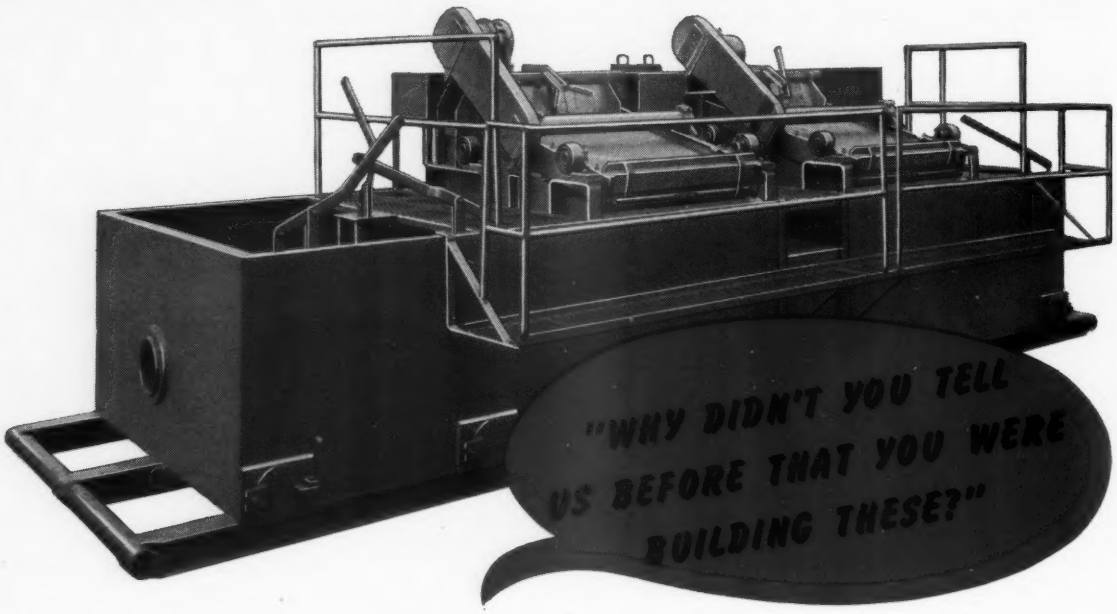
1944—Last Day of Month

(Figures in Thousands of Bbls.)

	Crude Oil	Nat. Gasoline Incl. Liquefied Petroleum Gases	Gasoline and Naphtha Distillates	Kerosene and Kerosene Distillates	Lubricating Oils Greases and Distillates	Gas Oil and Diesel Oil
January	8,942	888	14,738	875	1,497	7,430
February	8,472	868	14,578	613	1,538	6,850
March	9,414	766	14,493	578	1,382	5,373
April	9,197	696	15,112	610	1,438	5,500
May	9,083	797	15,116	639	1,474	5,565
June	8,679	808	14,281	842	1,449	5,718
July	8,841	725	13,416	780	1,414	6,977
August	9,761	742	13,248	520	1,407	8,297
September	9,845	641	13,406	630	1,302	8,277
October	9,639	822	13,820	675	1,301	8,775
November	9,359	943	14,041	771	1,374	8,617
December	9,222	834	14,570	815	1,406	7,746

	Fuel Oil Residuum	Asphalt and Road Oils	Coke and other Finished Products	Other Unfinished Oils	Total Petroleum Net
January	19,086	590	96	1,306	55,448
February	18,168	654	117	1,384	53,242
March	17,477	686	146	1,031	51,346
April	18,164	687	141	1,001	52,546
May	18,496	768	151	1,083	53,172
June	19,607	676	163	921	53,144
July	20,814	569	159	926	54,621
August	21,409	517	165	1,036	57,102
September	22,807	493	162	967	58,530
October	22,987	491	189	970	59,669
November	22,835	517	199	975	59,631
December	19,782	594	214	839	56,022

UNITIZED MUD SUCTION TANK



Frankly, we've been so busy building these, and other things, that we're just now getting around to talking about them. The picture above shows a typical unitized mud suction tank—by-passes, shakers and screens, and ditches mounted together as a complete unit—the entire unit built on skids for easy transport. We build these tanks to fit your ideas and specifications, and quite a number of them are now in use in the oil fields of California.

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STOCKS OF PETROLEUM PRODUCTS

Pacific Coast Territory—Total 1944—Last Day of Month

(Figures in Thousands of Bbls.)

	Crude Oil	Nat. Gasoline Incl. Liquefied Petroleum Gases	Gasoline and Naphtha Distillates	Kerosene and Kerosene Distillates	Lubricating Oils Greases and Distillates	Gas Oil and Diesel Oil
January	35,062	1,260	18,472	1,098	2,524	10,566
February	33,319	1,229	18,432	849	2,568	9,777
March	31,903	1,176	18,417	842	2,425	8,298
April	30,242	1,181	18,880	847	2,451	8,119
May	29,990	1,230	19,159	894	2,477	8,222
June	28,499	1,285	18,365	1,076	2,436	8,594
July	28,256	1,224	17,348	1,021	2,406	9,925
August	28,625	1,174	17,052	734	2,385	11,238
September	29,157	1,142	17,148	859	2,282	11,372
October	28,595	1,293	17,408	924	2,294	12,035
November	27,320	1,334	17,755	994	2,365	11,754
December	26,540	1,236	18,480	1,039	2,359	10,670

	Fuel Oil Residuum	Asphalt and Road Oils	Coke and other Finished Products	Other Unfinished Oils	Total Petroleum Net
January	25,763	654	149	1,306	96,854
February	25,065	717	172	1,384	93,512
March	24,630	797	220	1,031	89,739
April	24,692	859	213	1,001	88,485
May	24,663	951	225	1,083	88,894
June	25,816	877	238	921	88,107
July	26,975	809	239	926	89,129
August	27,853	695	249	1,036	91,041
September	29,063	612	249	967	92,851
October	29,162	599	275	970	93,555
November	29,280	627	276	975	92,680
December	26,863	665	290	839	88,981

SUPPLY AND DEMAND
PETROLEUM PRODUCTS

Pacific Coast Territory
1944

(Figures in Thousands of Bbls.)

	Crude Oil		Natural Gasoline Incl. Liquefied Petroleum Gases		Gasoline and Naphtha Distillates		Kerosene and Kerosene Distillates		Lubricating Oils, Greases and Distillates		Gas Oil and Diesel Oil	
	Supply	Demand	Supply	Demand	Supply	Demand	Supply	Demand	Supply	Demand	Supply	Demand
January	(1,650)	691	315	424	9,524	8,534	312	284	420	410	2,487	3,191
February	(1,138)	511	382	413	9,029	9,123	111	363	463	421	2,392	3,169
March	(661)	807	346	399	9,599	9,633	344	369	331	478	1,857	3,351
April	(1,091)	529	438	433	9,522	9,048	371	360	496	469	2,514	2,641
May	155	450	440	391	9,421	9,134	241	191	471	447	2,772	2,650
June	(674)	858	391	336	9,733	10,572	333	144	428	459	2,928	2,616
July	272	496	314	376	9,421	10,379	174	228	383	416	3,347	1,953
August	1,038	658	316	365	9,955	10,194	(140)	138	494	512	3,367	1,955
September	932	383	297	329	9,813	9,691	281	155	320	419	2,132	1,946
October	(334)	163	521	371	9,917	9,688	238	189	425	414	2,723	2,163
November	(840)	425	441	400	10,136	9,826	278	190	442	369	2,026	2,388
December	(573)	317	367	464	10,648	9,894	294	259	412	415	2,091	3,128

	Fuel Oil Residuum		Asphalt and Road Oils		Coke and other Finished Products		Other Unfinished Oils		Refinery Shortage and Gas		Total Petroleum Net	
	Supply	Demand	Supply	Demand	Supply	Demand	Supply	Demand	Supply	Demand	Supply	Demand
January	14,373	15,661	488	510	13	35	(7)	(59)	1,097	1,097	27,372	30,778
February	13,069	13,865	447	386	48	25	(7)	(85)	1,142	1,142	25,938	29,333
March	14,570	14,844	593	499	76	28	(481)	(128)	1,277	1,277	27,851	31,557
April	13,354	13,500	579	510	51	58	(185)	(155)	1,219	1,219	27,268	28,612
May	12,657	12,729	755	661	60	48	2	(80)	1,281	1,281	28,255	27,902
June	12,967	11,854	901	983	56	42	(208)	(46)	1,244	1,244	28,099	29,062
July	12,217	10,941	966	1,027	49	48	8	3	1,563	1,563	28,714	27,430
August	11,633	10,833	1,166	1,296	77	68	85	(25)	1,389	1,389	29,380	27,383
September	12,647	11,453	1,040	1,124	80	80	(77)	(8)	1,482	1,482	28,947	27,054
October	13,848	13,937	905	915	121	95	(13)	(16)	1,369	1,369	29,720	29,288
November	14,194	14,024	662	632	98	97	(18)	(23)	1,429	1,429	28,848	29,757
December	14,836	17,285	734	687	100	88	(185	(49	1.399	1,399	30,123	33,887

NATURAL GASOLINE PLANT OPERATIONS
NATURAL GASOLINE PRODUCED IN CALIFORNIA PLANTS
GALLONS 1944

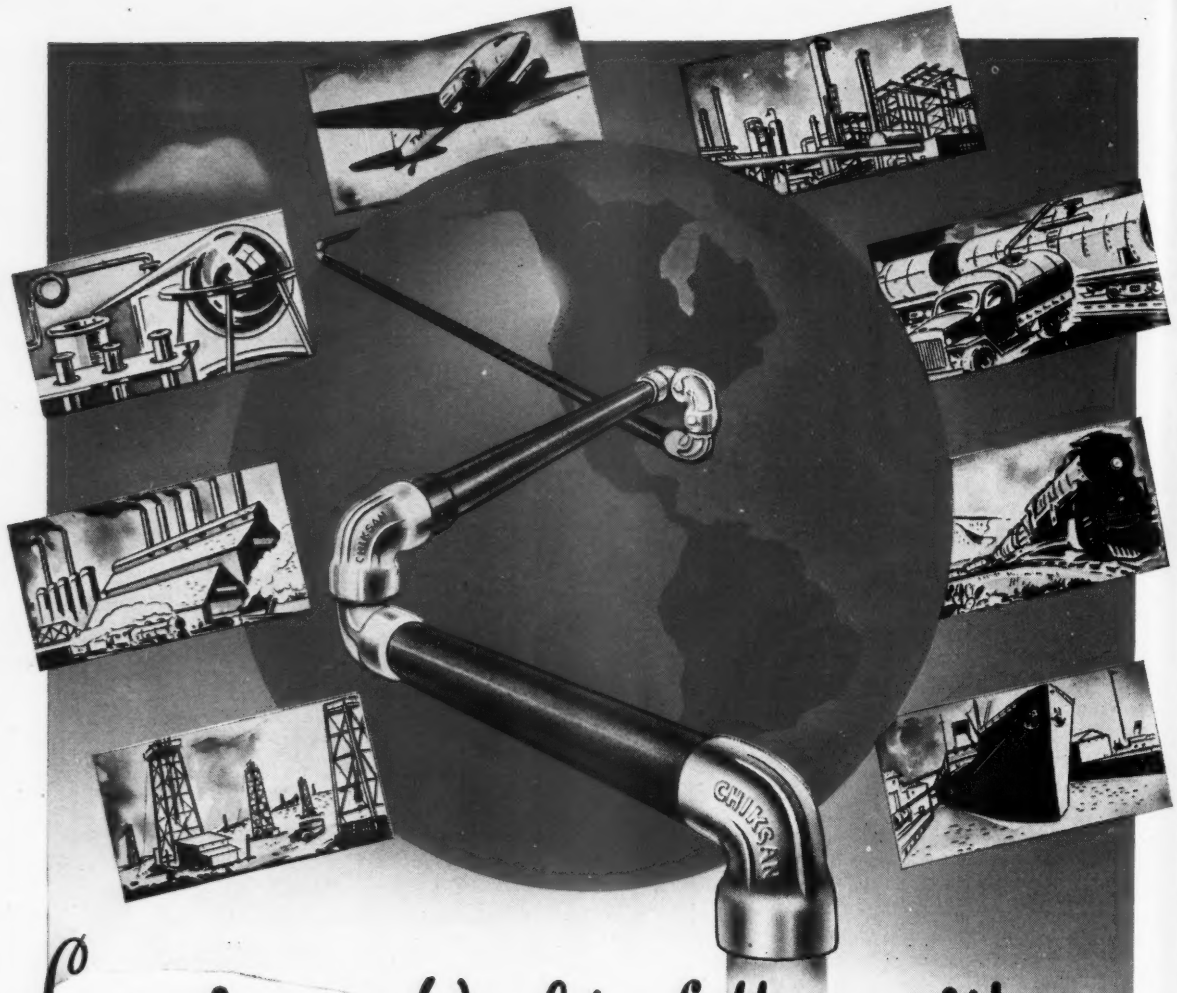
	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL 1944
San Joaquin Valley													
Belridge	803,836	723,673	858,390	885,464	1,035,808	1,025,814	1,083,456	1,078,510	1,010,943	1,040,851	914,142	950,324	11,411,211
Kettleman Hills	8,289,860	8,458,242	9,039,771	8,542,894	9,390,697	9,437,295	10,051,562	9,767,367	9,197,749	9,827,512	8,981,338	9,028,012	110,012,299
Midway-Sunset	1,647,277	1,577,908	1,787,693	1,791,001	1,920,311	1,883,264	1,998,049	2,057,339	2,005,359	2,035,608	1,805,180	1,829,736	22,338,725
Mountain View	104,114	102,055	114,658	122,498	124,708	113,102	98,470	104,321	93,105	107,256	108,087	99,330	1,291,704
Miscellaneous	3,322,694	3,283,350	3,718,514	3,703,045	4,058,764	4,406,956	5,025,620	5,223,980	5,323,855	5,186,324	5,190,251	5,406,023	53,849,376
Coastal District													
Elwood	255,157	216,559	277,497	255,766	259,859	251,363	264,651	283,116	265,354	275,603	252,601	274,691	3,132,217
Santa Maria	850,400	825,658	925,713	918,406	1,017,228	1,016,936	1,182,846	1,155,512	1,158,593	1,186,014	1,072,720	1,079,355	12,389,381
Ventura Avenue	5,781,292	5,621,321	6,127,232	5,970,067	6,246,424	6,158,149	6,658,754	6,711,293	6,368,831	6,105,297	5,464,837	5,926,973	73,140,470
Miscellaneous	1,222,347	1,126,260	1,277,972	1,323,171	1,446,583	1,433,348	1,524,095	1,541,954	1,540,938	1,513,295	1,677,759	1,766,464	17,394,186
Los Angeles Basin													
Brea-Olinda-Coyote	2,883,700	2,670,248	2,935,018	2,951,194	3,031,506	2,965,254	2,973,290	2,963,793	2,853,699	2,670,217	2,822,094	2,978,573	34,698,586
Dominguez	2,857,356	2,670,148	2,935,958	2,857,842	2,932,365	2,862,370	2,907,552	2,906,641	2,791,045	2,853,200	2,722,035	2,766,183	34,062,695
Huntington Beach	3,227,822	3,160,725	3,425,703	3,317,629	3,438,570	3,417,187	3,602,934	3,617,250	3,475,236	3,492,914	3,273,630	3,427,026	40,876,626
Long Beach	6,617,435	6,194,559	6,628,580	6,498,730	6,695,706	6,553,825	6,701,146	6,682,043	6,385,031	6,484,537	6,154,690	6,376,786	77,973,068
Montebello	830,830	762,972	813,932	778,875	788,604	745,398	766,158	752,735	707,968	705,593	750,251	685,085	9,088,401
Richfield	848,528	800,745	847,735	826,615	854,014	812,797	826,905	827,954	803,991	839,221	788,595	853,258	9,930,358
Rosecrans	1,023,600	963,136	1,023,140	1,011,967	1,032,399	961,784	948,238	928,956	967,585	991,841	1,004,439	1,026,196	11,883,281
Santa Fe Springs	3,833,966	3,545,199	3,809,063	3,691,066	3,836,915	3,732,993	3,854,130	3,796,610	3,672,290	3,790,031	3,686,925	3,806,111	45,055,299
Torrance	490,398	463,218	499,796	480,825	511,285	492,586	502,541	500,768	483,508	506,113	462,763	465,319	5,859,120
Miscellaneous	4,613,570	4,410,431	4,847,199	4,781,339	5,015,735	4,889,263	4,984,599	5,009,190	5,104,993	4,993,766	4,828,853	4,902,411	58,381,349
TOTALS (All Fields)	49,504,182	47,576,407	51,893,564	50,708,394	53,637,481	53,159,684	55,954,996	55,909,332	54,210,073	54,605,193	51,961,190	53,647,856	632,768,352

NATURAL GAS TREATED—M.C.F. 1944

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL 1944
San Joaquin Valley Plants													
Belridge	1,398,254	1,193,417	1,344,465	1,351,817	1,546,232	1,540,185	1,579,692	1,527,313	1,478,488	1,549,981	1,550,334	1,604,914	17,665,092
Kettleman Hills	7,002,339	7,243,267	7,663,596	6,979,175	7,314,440	7,149,953	7,375,807	7,483,687	7,247,516	7,433,860	7,215,766	7,430,754	87,540,160
Midway-Sunset	824,846	771,417	850,558	840,683	881,865	863,548	925,681	952,791	956,756	1,022,087	989,152	1,068,002	10,947,386
Mountain View	59,205	50,984	58,708	56,473	55,972	51,597	50,525	50,544	53,384	56,636	62,429	51,005	657,462
Miscellaneous	4,615,234	4,352,348	4,683,740	4,649,243	4,842,868	5,084,952	5,623,118	5,961,123	6,222,813	6,164,021	6,301,297	6,741,010	65,241,767
Coastal District Plants													
Elwood	98,459	90,121	107,294	101,643	90,618	80,664	92,484	99,159	83,069	84,997	78,952	98,165	1,105,625
Santa Maria	607,927	641,023	709,066	707,712	752,761	755,662	800,060	814,824	811,145	863,465	846,074	904,710	9,214,429
Ventura Avenue	4,115,745	3,953,927	4,306,484	4,323,272	4,480,643	4,352,668	4,586,072	4,631,606	4,506,854	4,797,439	4,611,247	4,827,331	53,493,288
Miscellaneous	1,452,113	1,334,866	1,486,447	1,461,057	1,596,056	1,574,255	1,630,303	1,650,792	1,637,720	1,709,667	1,641,706	1,711,896	18,886,878
Los Angeles Basin Plants													
Brea-Olinda-Coyote	922,125	873,360	974,645	981,424	1,016,962	990,827	1,025,284	991,149	977,249	980,490	984,489	1,062,787	11,780,791
Dominguez	1,591,104	1,487,115	1,565,451	1,461,774	1,508,541	1,442,051	1,441,158	1,444,207	1,348,464	1,389,808	1,320,925	1,338,958	17,339,556
Huntington Beach	981,503	987,779	1,093,869	1,052,227	1,103,285	1,089,448	1,152,207	1,159,577	1,141,770	1,108,501	1,028,740	1,108,579	13,007,485
Long Beach	1,874,472	1,834,449	1,994,354	1,951,543	2,042,365	2,011,752	2,068,734	2,097,410	2,024,631	2,075,350	1,974,016	2,013,495	23,962,571
Montebello	296,212	280,421	293,268	279,656	282,001	259,277	266,837	268,362	256,760	259,592	294,320	264,227	3,300,933
Richfield	174,428	162,168	175,963	172,826	176,244	168,140	172,399	172,379	162,428	163,724	155,671	161,936	2,018,306
Rosecrans	731,713	690,658	743,760	725,576	731,796	694,095	687,081	674,763	676,728	680,783	655,772	703,089	8,395,814
Santa Fe Springs	1,085,142	1,015,212	1,088,835	1,051,700	1,076,026	1,040,743	1,077,943	1,081,499	1,032,946	1,074,545	1,036,160	1,058,388	12,719,139
Torrance	133,115	125,701	133,470	135,944	146,297	142,409	148,935	157,234	152,087	158,421	149,133	148,277	1,731,023
Miscellaneous	3,020,751	2,831,964	3,108,447	3,065,348	3,130,179	3,063,254	3,108,459	3,185,763	3,217,980	3,231,443	2,942,943	2,935,369	36,841,900
TOTAL	30,984,687	29,920,197	32,382,420	31,349,093	32,775,151	32,355,480	33,812,779	34,404,182	33,988,788	34,814,810	33,839,126	35,232,892	395,849,605

DRILLING WELLS—1944

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
San Joaquin Valley												
Antelope Hills	...	1	...	...	1	1	1	2	1	...	...	1
Arvin	...	...	...	...	...	...	...	...	...	...	...	...
Bellevue	...	...	...	...	1	2	3	5	2	1	...	1
Belridge—North	2	1	1	...	...	...	...	...	1	2	3	3
Belridge—South	10	6	5	10	4	3	4	3	2	4	4	3
Buena Vista Hills	3	2	2	6	9	7	6	7	9	10	12	11
Burrel	2	1	1	...	...	...	...	...	1	1	...	...
Canal	...	...	...	...	...	...	...	...	...	...	...	...
Canfield Ranch	...	...	...	...	...	...	...	...	...	...	1	...
Coalinga—East	6	7	6	9	6	5	5	6	5	2	3	1
Coalinga—Nose	3	2	2	2	2	1	1	...	...	...	...	...
Coalinga—West	2	3	4	5	1	2	2	2	1	3	3	3
Coles Levee	1	2	2	3	4	4	2	3	5	6	3	6
Dyer Creek	...	...	...	...	...	...	...	...	...	...	...	...
Edison	1	3	2	3	1	3	1	4	2	2	5	5
Elk Hills	2	3	1	1	1	2	8	11	21	22	25	20
Fruitvale	7	5	1	2	2	3	4	5	4	2	2	3
Gosford	...	...	...	...	...	...	...	1	1	...	1	1
Greeley	4	3	2	3	4	3	3	4	4	4	3	4
Helm	3	3	1	3	3	3	4	5	3	3	4	4
Jacalitos	...	...	...	1	2	1	2	3	3	2	3	5
Kern Front	8	9	5	8	6	3	5	2	6	4	1	3
Kern River	2	1	...	...	2	5	5	9	6	1	4	3
Kettleman North Dome	5	5	5	5	3	6	5	7	8	8	8	9
Lanare	...	...	1	1	1	...	...	1	1	...	...	...
Lost Hills	...	...	...	...	...	...	...	...	...	...	1	1
McClung	...	...	1	...	...	...	...	...	1	...	...	...
McKittrick	3	4	3	2	1	4	5	4	4	3	3	1
Midway-Sunset	10	13	15	13	14	11	21	18	17	8	11	9
Mountain View	...	...	...	1	2	2	2	2	1	2	2	2
Mount Poso	5	...	1	4	6	4	4	5	3	6	8	3
Paloma	5	5	5	8	8	8	3	7	6	6	4	3
Pleasant Valley	3	5	4	5	3	3	4	4	3	3	3	2
Raisin City—East	...	...	...	...	...	...	...	...	...	...	...	...
Raisin City—West	2	1	1	4	2	1	1	1	...	1	1	2
Rio Bravo	1	1	...	...	...	...	...	...	...	...	...	...
Riverdale	3	4	4	5	4	6	2	4	4	3	3	3
Round Mountain	3	4	3	3	3	3	4	4	2	1	1	3
Shafter	...	...	...	...	...	...	...	...	...	...	...	...
Strand—East	...	1	1	...	...	1	1	...	...	1	1	1
Strand—West	...	...	...	1	1	...	...	1	1	1	...	...
Tejon	1	1	1	1	...	...	...	...	1	1	2	2
Ten Section	...	...	...	...	...	...	...	...	...	...	...	...
Union Avenue	...	...	...	...	...	...	...	...	...	...	...	...
Wasco	...	...	...	...	...	...	...	...	...	...	...	...
Wheeler Ridge	...	...	...	...	...	...	...	...	...	...	...	...
Miscellaneous	...	...	...	9	4	4	5	4	6	6	3	5
Coastal Area												
Aliso Canyon	2	1	2	2	2	1	3	2	4	4	3	3
Capitan	...	...	...	...	...	...	...	...	...	...	...	1
Del Valle	2	2	1	2	2	2	1	1	2	2	2	1
Elwood	...	...	1	2	1	1	2	1	1	1	...	...
Gato Ridge	2	1	2	2	1	...	...	...	...	2	3	2
Newhall-Potrero	2	1	1	1	...	...	1	1	1	2	2	2
Oak Canyon	2	2	1	1	2	2	2	2	2	2	2	2
Padre Canyon	1	...	...	...	1	...	1	2	1	2	2	1
Rincon	3	2	3	1	2	3	1	1	1	2	1	2
San Martinez	2	2	2	1	1	...	...	...	1	1	2	2
San Miguelito	1	1	1	1	1	1	2	2	2	1	2	2
Santa Barbara	...	...	...	...	...	...	...	...	...	...	...	...
Santa Maria	3	2	3	8	5	6	6	4	7	7	2	2
Santa Maria Valley	6	10	10	7	8	8	10	8	8	8	8	9
Summerland	...	...	...	...	...	...	...	...	...	...	...	...
Ventura Avenue	8	8	10	11	10	10	6	8	10	11	9	11
Ventura-Newhall	6	5	3	8	6	5	3	5	8	6	9	12
Watsonville	...	...	...	...	...	...	...	...	...	...	...	...
Los Angeles Basin												
Brea-Olinda	1	2	...	...	3	4	1	1	.....	...	...	...
Buena Park	...	...	...	...	...	...	...	...	...	1	1	2
Coyote—East	1	...	2	1	2	2	1	1	3	3	...	1
Coyote—West	1	2	2	5	2	4	4	3	4	4	4	2
Dominguez	...	1	1	3	2	...	2	2	2	1	2	1
El Segundo	...	...	...	1	1	1	...	...	1	...	...	...
Huntington Beach	10	10	8	8	7	6	6	7	5	4	6	5
Inglewood	2	2	3	2	2	2	1	2	2	2	1	1
Lawndale	...	...	...	...	...	...	...	...	...	...	...	...
Long Beach	...	...	...	2	...	1	2	2	2	1	2	2
Los Angeles-Salt Lake	...	...	...	...	...	...	...	...	...	...	...	...
Montebello	1	1	1	1	1	1	1	2	2	2	2	...
Newport	...	...	...	...	...	...	...	...	...	...	...	1
Playa Del Rey	...	...	...	...	...	...	...	...	...	...	...	...



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BALL BEARING SWIVEL JOINTS FOR ALL PURPOSES

CHIKSAN COMPANY
BREA, CALIFORNIA

DRILLING WELLS—1944 (Continued)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
Potrero	1	1	...	...	...	...	...	...	...	...	...	...
Richfield	2	2	1	2	3	2	2	...	1	2	3	2
Rosecrans	1	...	1	1	1	1	2	1	...	1	1	3
Santa Fe Springs	...	...	...	...	...	...	...	...	...	...	...	...
Seal Beach	1	1	1	...	...	...	3	3	7	6	7	6
Torrance	3	1	4	4	4	2	1	1	5	5	6	7
Turnbull Canyon	...	...	...	...	...	...	...	...	...	...	...	...
Whittier	...	...	...	...	...	...	2	3	2	1	2	1
Wilmington	13	12	14	15	16	11	13	10	14	12	11	10
Yorba Linda	1	...	...	...	...	...	...	...	...	...	...	...
Wildcats	35	33	52	45	49	46	33	38	36	45	48	51
TOTAL—CALIFORNIA	210	201	210	255	236	223	225	247	269	260	271	270

PRODUCING WELLS—1944

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
San Joaquin Valley												
Antelope Hills	19	19	20	20	20	21	23	24	26	27	27	28
Arvin	2	2	2	2	2	2	2	2	2	2	2	2
Bellevue	.....	.....	.....	.....	1	1	2	2	2	2	3	3
Belridge—North	71	72	72	73	75	75	75	76	76	76	76	77
Belridge—South	518	541	558	575	593	607	616	626	645	662	676	693
Buena Vista Hills	827	829	833	835	837	843	848	855	864	871	877	889
Burrel	.....	.....	.....	1	1	1	1	1	1	1	1	2
Canal	39	39	39	39	39	39	39	39	39	39	39	39
Canfield Ranch	1	1	1	1	1	1	1	1	1	1	1	1
Coalinga—East	592	599	609	620	635	642	653	661	673	679	680	684
Coalinga—Nose	221	221	221	222	221	222	220	220	219	217	217	218
Coalinga—West	721	723	728	735	740	746	750	757	757	759	762	762
Coles Levee	99	99	98	94	95	95	97	98	98	98	101	101
Dyer Creek	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Edison	111	112	115	115	120	120	125	125	130	132	134	136
Elk Hills	232	229	233	233	231	231	238	246	262	285	311	340
Fruitvale	176	177	184	186	187	189	189	189	191	195	198	198
Gosford	.....	.....	.....	.....	.....	.....	.....	1	1	2	1	2
Greeley	86	87	88	88	89	89	88	88	88	88	90	90
Helm	8	9	10	10	11	12	14	15	18	21	21	24
Jacalitos	7	7	7	7	8	10	11	11	13	15	16	16
Kern Front	632	642	650	663	671	682	687	693	708	711	713	715
Kern River	1,980	1,990	1,996	2,002	2,012	2,016	2 ,021	2,029	2,022	2,027	2,028	2,028
Kettleman North Dome	259	264	275	273	281	281	286	287	287	288	293	295
Lanare	1	1	2	2	2	2	2	2	2	3	3	3
Lost Hills	381	382	382	375	373	373	373	373	373	373	373	373
McClung	2	2	2	2	2	2	2	2	2	2	2	2
McKittrick	290	292	296	297	298	299	305	311	316	320	323	323
Midway-Sunset	2,564	2,574	2,586	2,596	2,603	2,616	2,623	2,644	2,658	2,671	2,675	2,681
Mountain View	168	168	169	169	168	168	168	169	169	168	168	169
Mount Poso	458	461	462	463	468	470	470	470	472	473	476	481
Paloma	4	6	9	9	6	7	13	14	15	15	16	17
Pleasant Valley	6	6	7	7	9	11	12	12	14	16	16	17
Raisin City—East	8	8	8	8	8	8	8	8	8	8	8	8
Raisin City—West	6	7	9	10	12	16	17	17	18	18	19	19
Rio Bravo	98	100	101	101	100	100	100	100	99	99	100	100
Riverdale	25	26	28	32	33	35	39	40	41	43	44	45
Round Mountain	284	287	288	288	289	292	292	292	295	297	297	295
Shafter	1	1	1	1	1	1	1	1	1	1	1	1
Strand—East	3	3	3	4	4	4	4	5	5	5	5	6
Strand—West	14	14	14	14	14	16	16	16	16	16	17	17
Tejon	3	3	4	4	4	4	4	4	4	4	6	7
Ten Section	117	117	118	119	119	119	119	119	119	119	119	119
Union Avenue	3	3	3	3	3	3	3	3	3	3	3	3
Wasco	13	13	12	12	13	13	13	13	13	13	13	13
Wheeler Ridge	34	34	34	34	34	34	34	34	34	34	34	34
Miscellaneous	.....	.....	.....	11	12	15	21	27	30	33	34	37
Coastal Area												
Aliso Canyon	18	19	20	20	20	21	23	24	24	24	25	26
Capitan	52	53	53	53	53	53	53	53	53	53	53	53
Del Valle	13	13	14	14	14	14	15	16	16	16	16	17
Elwood	52	55	55	54	55	55	56	57	57	57	57	57
Gato Ridge	25	26	28	29	30	30	30	30	29	30	30	30
Newhall-Potrero	42	43	44	44	45	45	44	44	44	44	44	46
Oak Canyon	8	8	7	7	7	7	8	9	9	10	9	9
Padre Canyon	18	19	19	19	19	20	20	20	20	20	20	21
Rincon	71	73	74	78	80	81	83	84	85	86	87	87
San Martinez	17	17	17	19	20	21	21	21	21	22	22	23
San Miguelito	28	28	27	28	28	28	29	29	29	30	30	31
Santa Barbara	14	14	14	14	14	14	14	14	14	14	14	14
Santa Maria	292	293	294	294	297	297	299	301	302	306	309	310
Santa Maria Valley	256	266	275	284	292	301	309	318	327	331	339	343
Summerland	5	5	5	5	5	5	5	5	5	5	5	5
Ventura Avenue	443	446	449	460	461	463	473	473	478	479	484	487
Ventura-Newhall	515	500	503	505	507	511	515	516	519	522	525	528
Watsonville	7	7	7	7	7	7	7	7	7	7	7	7

PRODUCING WELLS—1944 (Continued)

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
Los Angeles Basin												
Brea-Olinda	401	401	401	402	403	404	406	407	408	408	408	409
Buena Park	1	1	1	1	1	1	1	1	2	2	2	2
Coyote—East	133	134	134	137	137	138	140	140	140	141	143	144
Coyote—West	117	117	118	118	122	124	125	129	130	131	133	136
Dominguez	300	301	300	300	301	303	303	304	306	307	307	308
El Segundo	32	32	33	31	31	31	33	33	33	33	33	33
Huntington Beach	721	729	746	754	760	767	775	779	786	789	790	794
Inglewood	296	296	298	299	299	299	301	301	301	302	303	303
Lawndale	3	3	3	3	3	3	3	3	3	3	3	3
Long Beach	1,137	1,143	1,145	1,146	1,144	1,144	1,145	1,146	1,146	1,147	1,143	1,143
Los Angeles-Salt Lake	97	97	97	97	97	97	97	97	97	97	97	97
Montebello	343	345	344	345	345	346	347	346	346	346	347	348
Newport	2	2	2	2	2	2	1	1	1	1	1	1
Playa Del Rey	111	111	111	111	111	111	111	111	111	111	111	111
Potrero	25	25	26	26	26	26	26	26	26	26	26	26
Richfield	313	313	317	311	315	317	317	319	319	320	320	320
Rosecrans	186	188	189	188	189	188	190	193	196	196	198	197
Santa Fe Springs	558	560	561	561	560	560	561	562	560	559	559	559
Seal Beach	132	132	133	133	133	133	134	136	136	138	138	141
Torrance	644	651	652	664	664	665	663	669	670	672	673	680
Turnbull Canyon	5	5	5	5	5	5	5	5	5	5	5	5
Whittier	160	160	160	161	161	161	162	162	163	163	163	163
Wilmington	1,184	1,198	1,205	1,217	1,230	1,244	257	1,269	1,279	1,292	1,304	1,314
Yorba Linda	13	14	14	14	14	14	14	14	14	14	14	13
TOTAL	19,875	20,014	20,177	20,315	20,452	20,589	20,746	20,896	21,047	21,191	21,316	21,457

INITIAL PRODUCTION, NEW WELLS 1944

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
San Joaquin Valley												
Antelope Hills	.....	.....	210	.....	.....	51	107	294	726	62	.....	645
Arvin	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bellevue	.....	.....	.....	.....	1,900	.....	1,200	.....	.....	.....	157	.....
Belridge—North	484	449	.....	479	.....	.....	.....	.....	.....	.....	.....	1,960
Belridge—South	1,107	795	621	719	809	1,037	396	366	757	595	564	612
Buena Vista Hills	50	125	713	51	790	1,825	2,438	4,477	4,064	3,199	4,941	6,315
Burrel	.....	.....	.....	100	.....	.....	.....	.....	.....	.....	.....	.....
Canal	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Canfield Ranch	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Coalinga—East	574	1,290	852	1,124	903	521	430	1,124	793	478	64	168
Coalinga—Nose	950	445	2,050	.....	.....	185	.....	.....	.....	.....	.....	.....
Coalinga—West	342	90	183	494	436	417	360	515	169	196	397	483
Coles Levee	1,139	.....	.....	440	.....	.....	366	189	.....	.....	1,932	.....
Dyer Creek	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Edison	33	115	210	118	81	.....	479	.....	691	84	251	545
Elk Hills	.....	.....	25	475	.....	.....	2,004	2,142	5,267	6,912	9,556	7,780
Fruitvale	75	242	584	70	147	328	98	10	53	104	117	51
Gosford	.....	.....	.....	.....	.....	.....	.....	30	.....	1,180	.....	.....
Greeley	2,000	1,273	1,702	.....	.....	.....	168	.....	.....	.....	860	.....
Helm	192	94	233	.....	234	225	269	214	476	705	.....	616
Jacalitos	.....	.....	.....	.....	425	169	1,140	.....	245	180	773	.....
Kern Front	580	675	720	913	308	914	648	384	602	138	163	188
Kern River	30	51	45	.....	.....	247	225	314	150	284	182	.....
Kettleman North Dome	.....	1,275	.....	267	43	.....	825	111	565	1,168	1,302	402
Lanare	.....	.....	.....	.....	.....	.....	.....	.....	.....	179	.....	.....
Lost Hills	58	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
McClung	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
McKittrick	96	.....	.....	179	10	126	569	386	547	213	92	.....
Midway-Sunset	1,199	779	1,130	1,529	1,030	702	1,718	1,664	870	359	102	270
Mountain View	40	.....	.....	.....	460	.....	.....	37	.....	.....	55	79
Mount Poso	165	267	14	80	304	118	.....	.....	45	31	139	298
Paloma	.....	375	946	.....	.....	.....	4,669	779	757	.....	601	506
Pleasant Valley	.....	.....	457	.....	1,872	1,385	744	.....	1,469	979	.....	280
Raisin City—East	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Raisin City—West	312	490	560	276	443	599	247	.....	41	.....	297	.....
Rio Bravo	.....	.....	1,166	.....	.....	.....	.....	.....	.....	.....	.....	.....
Riverdale	.....	156	621	2,669	171	412	1,442	167	180	332	138	204
Round Mountain	382	359	120	.....	50	114	.....	.....	149	235	.....	.....
Shafter	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Strand—East	.....	.....	.....	1,445	.....	.....	.....	434	.....	.....	.....	1,170
Strand—West	.....	.....	.....	.....	.....	344	.....	.....	.....	.....	310	.....
Tejon	70	.....	108	.....	.....	.....	.....	.....	.....	.....	134	169
Ten Section	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Union Avenue	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wasco	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wheeler Ridge	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Miscellaneous	.....	.....	.....	100	70	187	250	191	89	180	29	203

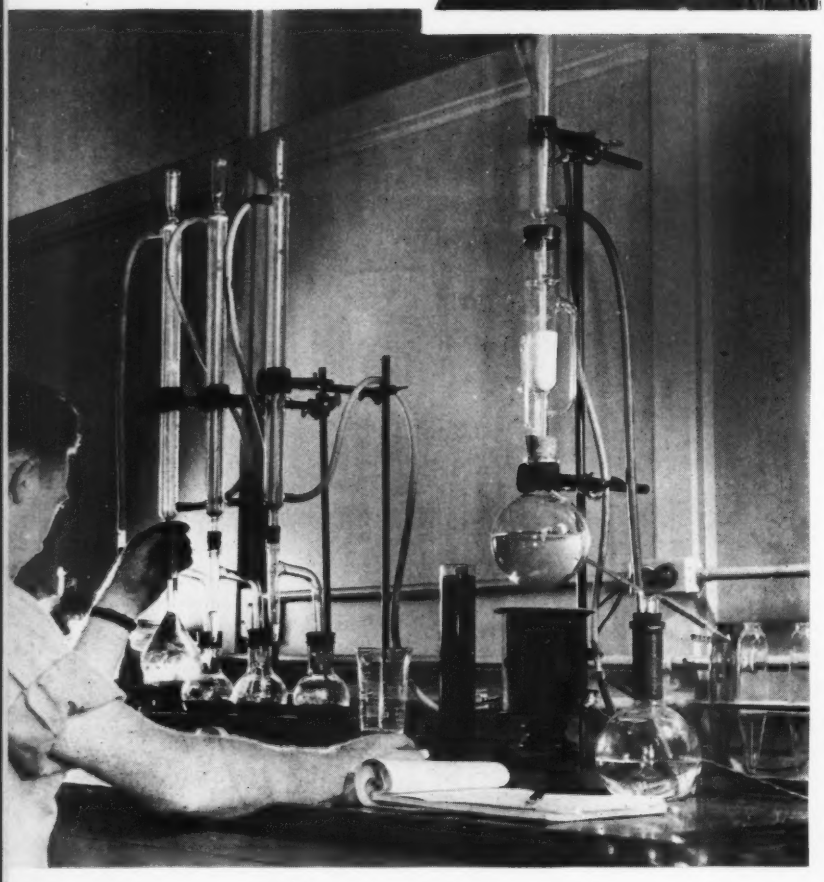
INITIAL PRODUCTION, NEW WELLS (Continued)

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
Coastal Area												
Aliso Canyon	.....	2,440	63	.....	505	103	696	2,412	.....	.....	392	1,043
Capitan	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Del Valle	.....	.....	942	.....	.....	.....	800	341	.....	.....	.....	547
Elwood	.....	.....	.....	.....	528	.....	202	105	.....	.....	.....	.....
Gato Ridge	.....	158	238	410	488	.....	.....	.....	.....	.....	.....	.....
Newhall-Potrero	.....	400	122	.....	114	.....	.....	.....	.....	.....	.....	765
Oak Canyon	.....	.....	.....	.....	.....	.....	.....	273	.....	114	.....	.....
Padre Canyon	.....	446	.....	.....	.....	304	.....	.....	834	.....	.....	501
Rincon	139	836	57	398	549	320	192	255	272	310	238	.....
San Martinez	109	.....	.....	829	48	761	.....	.....	.....	520	.....	362
San Miguelito	784	.....	.....	1,558	.....	.....	1,057	.....	.....	1,376	.....	962
Santa Barbara	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Santa Maria	448	974	52	.....	721	.....	510	315	298	226	510	160
Santa Maria Valley	316	3,464	2,238	1,469	1,023	1,954	2,400	1,911	2,058	1,413	1,994	2,008
Summerland	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ventura Avenue	3,080	4,998	1,657	588	2,429	1,572	7,266	.....	4,023	663	2,864	1,726
Ventura-Newhall	268	102	391	349	439	532	555	324	591	426	284	288
Watsonville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Los Angeles Basin												
Brea-Olinda	268	.....	252	86	.....	215	.....	9	561	.....	.....	18
Buena Park	.....	.....	.....	.....	.....	.....	.....	.....	90	.....	.....	.....
Coyote—East	.....	153	.....	490	.....	49	101	.....	.....	116	77	44
Coyote—West	674	.....	285	.....	4,395	464	376	1,045	93	167	1,242	359
Dominguez	1,464	.....	.....	137	908	68	.....	1,250	1,591	584	.....	975
El Segundo	.....	.....	150	.....	.....	.....	225	.....	.....	.....	.....	.....
Huntington Beach	2,164	1,474	1,112	1,531	768	727	783	959	1,337	1,208	975	777
Inglewood	.....	.....	556	5	.....	.....	530	.....	.....	105	20	.....
Lawndale	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Long Beach	35	.....	.....	.....	136	.....	148	26	.....	36	.....	.....
Los Angeles-Salt Lake	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Montebello	50	147	148	138	.....	40	132	.....	30	115	.....	110
Newport	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Playa Del Rey	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Potrero	.....	.....	183	.....	.....	.....	.....	.....	.....	.....	.....	.....
Richfield	.....	.....	165	.....	.....	205	.....	207	.....	.....	.....	59
Rosecrans	.....	480	.....	.....	.....	.....	.....	.....	189	.....	142	.....
Santa Fe Springs	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Seal Beach	.....	.....	.....	1,914	.....	.....	.....	2,778	.....	890	.....	1,445
Torrance	257	142	94	173	63	30	258	377	105	1,606	19	333
Turnbull	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Whittier	.....	.....	.....	3	.....	.....	40	.....	22	.....	.....	.....
Wilmington	1,502	2,290	1,542	2,752	2,847	2,075	1,696	2,542	2,868	3,094	1,888	1,539
Yorba Linda	374	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTAL	21,810	27,867	23,517	24,358	26,447	19,325	38,759	28,957	33,667	30,762	33,801	36,965

CALIFORNIA
NUMBER OF SHUT-IN WELLS
1944

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
San Joaquin Valley												
Antelope Hills	3	2	2	4	3	3	2	2	3	2	2	2
Arvin	...	...	...	...	...	...	...	...	...	...	.....	.....
Bellevue	...	...	...	...	...	...	...	...	...	...	.....	.....
Belridge—North	57	61	56	59	58	56	50	46	47	55	54	51
Belridge—South	23	26	21	23	27	24	16	24	25	23	28	28
Buena Vista Hills	13	15	17	21	19	21	11	11	12	14	17	21
Burrel	11	11	13	7	7	9	10	8	11	11	11	10
Canal	3	3	3	3	3	4	4	5	4	4	4	4
Canfield Ranch	...	...	...	...	...	...	...	...	1	...	1	.....
Coalinga—East	27	26	25	21	21	23	26	29	39	37	38	35
Coalinga—Nose	11	14	15	14	15	15	15	17	18	18	19	18
Coalinga—West	27	22	28	26	27	29	26	27	24	25	46	53
Coles Levee	13	16	16	15	14	14	15	18	18	17	16	17
Dyer Creek	...	1	1	...	...	...	...	...	...	...	.....	.....
Edison	5	5	6	6	6	8	5	4	7	9	5	7
Elk Hills	7	6	7	7	9	8	6	7	8	4	4	8
Fruitvale	7	11	10	7	8	9	8	8	6	9	10	10
Gosford	...	...	...	...	...	...	...	...	...	...	.....	.....
Greeley	...	...	1	1	...	...	...	...	...	1	1	1
Helm	4	4	5	3	2	4	3	3	3	4	3	4
Jacalitos	...	...	...	...	...	...	...	...	...	...	1	.....
Kern Front	21	20	14	15	13	16	24	16	8	11	18	14
Kern River	46	36	31	44	44	53	53	56	56	57	107	89
Kettleman North Dome	72	74	70	74	64	72	50	50	73	69	70	75
Lanare	...	...	...	...	...	...	...	...	1	...	.....	.....
Lost Hills	1	2	2	2	3	3	3	3	4	4	4	6
McClung	...	...	...	...	...	...	...	...	...	...	.....	.....
McKittrick	5	5	6	8	8	8	3	6	8	9	13	12
Midway-Sunset	60	77	76	86	91	97	67	72	81	76	86	91

Science.. in support of Service!



THE scientific procedures of Tret-O-lite laboratory technicians is one of the main reasons why Tret-O-lite Service is a valuable help to the oil industry. Laboratory developments often are directly responsible for changes in field operations. Your Tret-O-lite representative knows that his efforts to do the best dehydrating job possible for you is strongly supported . . . *by science.*

TRETOLITE COMPANY

Manufacturing Chemists

WEBSTER GROVES, ST. LOUIS COUNTY, MISSOURI • LOS ANGELES, CALIFORNIA

Oil is Ammunition • Treat it Right!

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REG. U. S. PAT. OFF.

DEHYDRATING DESALTING

Complete Service for Every Field

SHUT-IN WELLS (Continued)

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
Mountain View	8	9	12	10	10	9	9	10	10	10	14	13
Mount Poso	9	10	10	12	14	17	11	12	17	17	17	17
Paloma	7	7	9	10	11	9	8	7	10	7	9	10
Pleasant Valley	...	...	...	...	...	...	...	...	...	...	.....	.....
Raisin City	3	2	2	2	1	2	2	3	3	1	2	1
Rio Bravo	3	1	1	1	2	3	2	2	2	5	4	4
Riverdale	4	5	6	2	4	3	5	2	4	6	6	5
Round Mountain	3	3	2	2	4	3	2	2	5	4	4	4
Shafter	...	...	...	...	...	...	1	1	...	...	.....	.....
Strand—East	...	...	...	...	...	...	...	...	...	...	.....	.....
Strand—West	...	...	...	...	...	...	...	1	1	1	.....	.....
Tejon	...	...	...	...	...	...	...	...	...	...	.....	.....
Ten Section	8	8	9	6	6	6	7	12	10	12	5	5
Union Avenue	...	...	2	2	2	2	2	2	2	2	2	2
Wasco	...	...	...	...	...	...	...	...	...	...	1	.....
Wheeler Ridge	...	...	...	...	...	...	...	...	...	...	.....	.....
TOTAL SAN JOAQUIN VALLEY	461	482	478	493	496	530	446	466	521	524	622	617
Coastal Area												
Aliso Canyon	2	2	2	2	2	3	1	1	1	1	1	.....
Capitan	3	2	3	3	3	3	2	1	2	3	4	3
Del Valle	2	2	3	2	2	1	2	2	2	2	2	.....
Elwood	5	5	6	6	7	8	2	2	2	4	3	4
Gato Ridge	3	3	2	1	3	2	1	1	1	2	2	2
Newhall-Potrero	3	2	2	4	5	6	6	6	6	8	10	9
Oak Canyon	...	...	...	...	...	...	1	...	...	...	.....	.....
Padre Canyon	...	...	1	1	1	1	1	1	1	2	2	1
Rincon	3	5	6	4	5	5	3	2	7	9	7	8
San Martinez	...	...	...	...	...	...	...	...	...	...	.....	.....
San Miguelito	2	3	4	4	4	4	3	3	3	2	3	3
Santa Barbara	3	3	2	2	2	2	1	1	1	1	1	1
Santa Maria	14	21	19	20	19	23	14	13	16	21	22	21
Santa Maria Valley	8	7	3	6	7	9	8	6	14	14	11	11
Summerland	2	2	2	2	2	2	...	...	...	...	.....	.....
Ventura Avenue	35	31	33	28	43	41	34	29	31	35	32	35
Ventura-Newhall	12	17	32	32	35	34	28	28	30	29	30	28
Watsonville	1	1	...	1	1	1	1	1	1	1	1	1
TOTAL COASTAL AREA	98	106	120	118	141	145	108	97	118	134	131	127
Los Angeles Basin												
Brea-Olinda	8	30	30	28	27	26	20	20	21	20	20	22
Buena Park	...	...	...	...	...	...	...	...	...	...	.....	.....
Coyote—East	1	1	2	3	3	2	1	2	3	3	2	1
Coyote—West	11	12	12	13	18	16	11	5	4	5	5	5
Dominguez	6	5	4	3	4	5	7	4	4	5	5	6
El Segundo	2	1	2	...	...	1	2	2	2	2	2	2
Huntington Beach	34	28	29	36	36	44	29	26	30	37	38	36
Inglewood	4	6	3	5	6	5	7	4	3	4	5	5
Lawndale	...	...	...	...	...	...	...	...	...	...	.....	.....
Long Beach	29	33	28	32	39	45	33	37	54	56	48	44
Los Angeles-Salt Lake	...	...	...	...	...	...	...	...	...	...	.....	.....
Montebello	12	9	11	16	17	18	14	17	11	14	12	17
Newport	...	...	...	...	...	1	1	2	1	1	2	.....
Playa Del Rey	2	3	3	5	7	6	4	4	4	4	4	3
Potrero	...	1	...	1	1	...	...	1	...	...	.....	1
Richfield	5	6	6	4	3	3	3	9	6	7	7	6
Rosecrans	4	4	3	5	4	7	14	14	18	16	14	17
Santa Fe Springs	8	10	9	14	14	14	12	12	15	18	16	18
Seal Beach	1	1	1	2	1	2	...	1	1	1	1	.....
Torrance	30	36	43	42	29	41	30	33	41	51	43	39
Turnbull Canyon	...	...	...	...	...	...	...	...	...	...	.....	.....
Whittier	4	6	6	7	6	8	8	9	7	7	7	7
Wilmington	18	21	19	19	25	29	25	29	30	31	30	39
Yorba Linda	3	4	5	8	8	5	5	4	3	5	4	5
TOTAL LOS ANGELES BASIN	182	217	216	243	248	278	226	235	258	287	265	273
STATE TOTAL	741	805	814	854	885	953	780	798	897	945	1,018	1,017

CALIFORNIA
OIL WELLS COMPLETED
1944

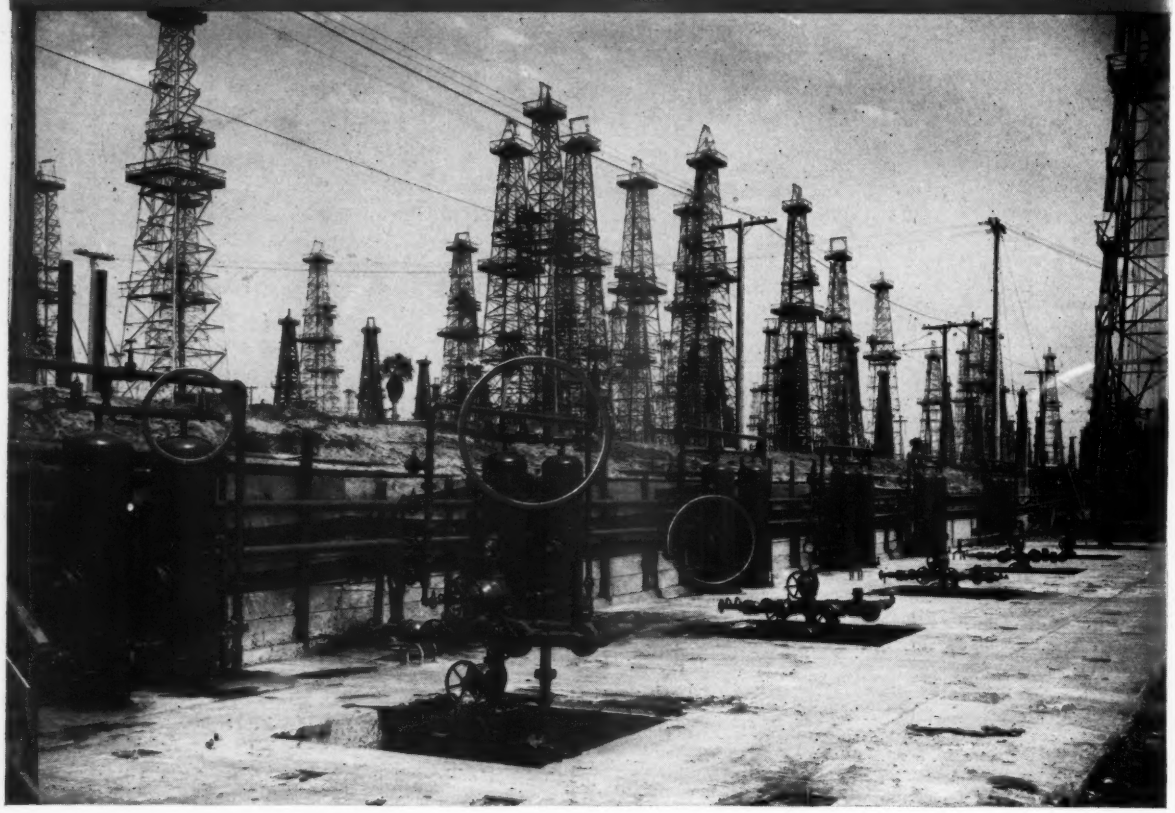
SAN JOAQUIN VALLEY	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	Total 1944	Total 1943
Antelope Hills	....	....	1	....	....	1	2	1	2	1	....	1	9	9
Arvin	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bellevue	....	....	....	....	1	....	1	....	....	....	1	....	3	....
Belridge—North	1	1	....	1	....	....	....	....	....	....	....	1	4	2
Belridge—South	22	21	23	20	18	14	9	10	19	17	14	17	204	175
Buena Vista Hills	1	5	4	2	3	6	5	7	9	7	6	12	67	43
Burrel	....	....	....	1	....	....	....	....	....	....	....	....	1	1
Canal	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Canfield Ranch	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Coalinga—East	9	8	8	12	12	7	7	8	12	6	1	4	94	85
Coalinga—Nose	1	1	....	....	....	1	....	....	....	....	....	....	4	1
Coalinga—West	8	1	6	7	5	6	4	7	4	2	3	3	56	44
Coles Levee	1	....	....	1	....	....	2	1	....	....	3	....	8	4
Dyer Creek	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Edison	1	1	3	2	3	....	5	....	5	2	2	3	27	7
Elk Hills	....	....	1	2	....	....	7	8	16	23	26	25	108	20
Fruitvale	1	2	5	1	2	2	1	1	2	3	1	1	22	7
Gosford	....	....	....	....	....	....	....	1	....	1	....	....	2	....
Greeley	1	1	2	....	....	....	1	....	....	....	2	....	7	5
Helm	1	1	2	....	1	1	2	1	3	3	....	3	18	4
Jacalitos	....	....	....	....	1	2	1	....	2	3	1	....	10	1
Kern Front	10	11	9	10	7	11	5	6	4	3	2	2	80	126
Kern River	1	3	2	....	....	4	5	8	4	5	1	....	33	2
Kettleman North Dome	....	2	....	1	1	....	2	1	1	1	2	2	13	7
Lanare	....	....	....	....	....	....	....	1	....	1	....	....	1	1
Lost Hills	3	....	....	....	....	....	....	....	....	....	....	....	3	11
McClung	....	....	....	....	....	....	....	....	....	....	....	....	....	1
McKittrick	3	....	....	4	1	1	6	6	5	4	3	....	33	23
Midway-Sunset	10	9	11	18	10	13	8	21	14	13	5	6	138	114
Mountain View	1	....	....	....	1	....	....	1	....	....	1	1	5	....
Mount Poso	2	3	1	2	5	2	....	....	2	1	3	5	26	44
Paloma	....	2	3	....	....	....	6	1	1	....	1	1	15	1
Pleasant Valley	....	....	1	....	2	2	1	....	2	2	....	1	11	6
Raisin City—East	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Raisin City—West	2	1	1	1	2	3	1	....	1	....	1	....	13	5
Rio Bravo	....	....	1	....	....	....	....	....	....	....	....	....	1	1
Riverdale	....	1	1	4	1	2	4	1	1	2	1	1	19	21
Round Mountain	2	3	1	....	1	3	....	....	3	2	....	....	15	33
Shafter	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Strand—East	....	....	....	1	....	....	....	1	....	....	....	1	3	2
Strand—West	....	....	....	....	....	1	....	....	....	....	1	....	2	1
Tejon	1	....	1	....	....	....	....	....	....	....	2	1	5	2
Ten Section	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Union Avenue	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Wasco	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Wheeler Ridge	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Miscellaneous	....	....	....	2	1	4	6	5	3	3	1	3	28	....
Total San Joaquin Valley	**82**	**77**	**87**	**92**	**78**	**86**	**91**	**97**	**115**	**105**	**84**	**94**	**1,088**	**809**

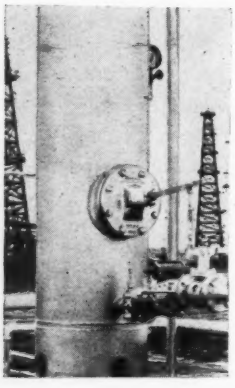
CALIFORNIA
OIL WELLS COMPLETED
1944

COASTAL AREA	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	Total 1944	Total 1943
Aliso Canyon	....	1	1	....	1	1	1	1	....	....	1	1	8	3
Capitan	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Del Valle	....	....	1	....	....	....	1	1	....	....	....	1	4	2
Elwood	....	....	....	....	1	....	1	1	....	....	....	....	3	....
Gato Ridge	....	1	1	1	1	....	....	....	....	....	....	....	4	6
Newhall-Potrero	....	1	1	....	1	....	....	....	....	....	....	2	5	9
Oak Canyon	....	....	....	....	....	....	....	1	....	1	....	....	2	2
Padre Canyon	....	1	....	....	....	1	....	....	1	....	....	1	4	....
Rincon	1	2	1	1	2	1	2	1	1	1	1	....	14	3
San Martinez	1	....	....	2	1	1	....	....	....	1	....	1	7	6
San Miguelito	1	....	....	1	....	....	1	....	....	1	....	1	5	2
Santa Barbara	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Santa Maria	1	2	1	....	3	....	2	1	1	5	3	1	20	15
Santa Maria Valley	3	7	6	9	8	9	7	9	9	6	8	4	85	22
Summerland	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Ventura Avenue	5	4	3	1	1	2	7	....	4	1	5	2	35	24
Ventura-Newhall	2	1	3	2	3	4	4	2	3	3	2	3	32	12
Watsonville	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total Coastal Area	**14**	**20**	**18**	**17**	**22**	**19**	**26**	**17**	**19**	**19**	**20**	**17**	**228**	**106**
LOS ANGELES BASIN														
Brea-Olinda	1	....	1	1	....	1	....	1	1	....	....	1	7	6
Buena Park	....	....	....	....	....	....	....	....	1	....	....	....	1	....
Coyote—East	....	2	....	3	....	1	2	....	....	1	2	1	12	8
Coyote—West	1	....	1	....	4	2	1	4	1	1	2	3	20	6
Dominguez	1	....	....	1	1	2	....	1	2	1	....	1	10	3
El Segundo	....	....	1	....	....	....	1	....	....	....	....	....	2	....
Huntington Beach	7	7	9	9	5	7	5	4	7	5	3	3	71	66
Inglewood	....	....	2	1	....	....	1	....	....	1	1	....	6	4
Lawndale	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Long Beach	1	....	....	....	2	....	1	1	....	1	....	....	6	....
Los Angeles-Salt Lake	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Montebello	1	1	1	1	....	1	1	....	2	1	....	1	10	18
Newport	....	....	....	....	....	....	....	....	....	....	....	....	....	2
Playa Del Rey	....	....	....	....	....	....	....	....	....	....	....	....	....	1
Potrero	....	....	1	....	....	....	....	....	....	....	....	....	1	....
Richfield	....	....	2	....	....	2	....	2	....	....	....	1	7	4
Rosecrans	....	1	....	....	....	....	....	....	3	....	1	....	5	2
Santa Fe Springs	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Seal Beach	....	....	....	1	....	....	....	2	2	2	....	2	7	1
Torrance	3	3	3	4	1	1	1	3	....	3	1	7	32	34
Turnbull Canyon	....	....	....	....	....	....	....	....	....	....	....	....	....	1
Whittier	....	....	....	1	....	....	1	....	1	....	....	....	3	....
Wilmington	9	14	8	15	17	14	12	10	11	14	11	9	144	71
Yorba Linda	2	1	....	....	....	....	....	....	....	....	....	....	3	8
Total Los Angeles Basin	**26**	**29**	**29**	**37**	**30**	**31**	**26**	**28**	**31**	**30**	**21**	**29**	**347**	**235**
State Total	**122**	**126**	**135**	**146**	**130**	**136**	**143**	**141**	**165**	**154**	**125**	**140**	**1,661**	**1,150**

Source: A.P.I.

OIL PRODUCERS RELY ON *RELIANCE* FOR MAXIMUM OUTPUT





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RELIANCE REGULATOR CORPORATION

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CALIFORNIA

SAN JOAQUIN VALLEY	NEW RIGS UP Total 1944	Total 1943
Antelope Hills	10	8
Arvin	.....	.....
Bellevue	6	.....
Belridge—North	3	5
Belridge—South	199	181
Buena Vista Hills	82	41
Burrel	3	1
Canal	.....	.....
Canfield Ranch	.....	.....
Coalinga—East	91	84
Coalinga—Nose	2	3
Coalinga—West	57	49
Coles Levee	14	4
Dyer Creek	1	.....
Edison	30	12
Elk Hills	125	22
Fruitvale	20	11
Gosford	2	.....
Greeley	10	10
Helm	21	8
Jacalitos	17	.....
Kern Front	85	125
Kern River	35	4
Kettleman North Dome	16	8
Lanare	2	.....
Lost Hills	2	9
McClung	2	1
McKittrick	37	31
Midway-Sunset	153	146
Mountain View	8	.....
Mount Poso	45	52
Paloma	14	8
Pleasant Valley	9	9
Raisin City—East	.....	.....
Raisin City—West	13	6
Rio Bravo	1	1
Riverdale	20	21
Round Mountain	25	40
Shafter	.....	.....
Strand—East	4	3
Strand—West	2	3
Tejon	9	3
Ten Section	.....	.....
Union Avenue	.....	.....
Wasco	.....	.....
Wheeler Ridge	.....	.....
Miscellaneous	27	.....
Total San Joaquin Valley	**1,202**	**909**

COASTAL AREA	NEW RIGS UP Total 1944	Total 1943
Aliso Canyon	8	5
Capitan	1	.....
Del Valle	3	3
Elwood	4	.....
Gato Ridge	8	7
Newhall-Potrero	4	10
Oak Canyon	4	5
Padre Canyon	5	1
Rincon	15	5
San Martinez	7	8
San Miguelito	8	3
Santa Barbara	.....	.....
Santa Maria	27	19
Santa Maria Valley	94	25
Summerland	.....	.....
Ventura Avenue	33	33
Ventura-Newhall	36	13
Watsonville	.....	.....
Total Coastal Area	**257**	**137**
LOS ANGELES BASIN		
Brea-Olinda	7	8
Buena Park	1	1
Coyote—East	9	11
Coyote—West	20	5
Dominguez	12	5
El Segundo	2	3
Huntington Beach	72	74
Inglewood	7	6
Lawndale	.....	.....
Long Beach	6	1
Los Angeles-Salt Lake	.....	1
Montebello	11	16
Newport	1	2
Playa Del Rey	.....	.....
Potrero	.....	1
Richfield	8	4
Rosecrans	7	3
Santa Fe Springs	.....	.....
Seal Beach	12	2
Torrance	33	37
Turnbull Canyon	.....	1
Whittier	5	1
Wilmington	144	89
Yorba Linda	1	8
Total Los Angeles Basin	**358**	**279**
Miscellaneous	**302**	**210**
State Total	**2,119**	**1,535**

Data A. P. I.

STOCKS—UTILIZATION AND DISTRIBUTION OF NATURAL GASOLINE

GALLONS 1944

	Stocks Beginning of Month	Production During Month	Delivered to Refineries	Blended at Plants for Motor Fuel	Losses	Stocks End of Month
January	1,209,936	49,504,182	49,460,317	9,808	27,297	1,216,696
February	1,216,696	47,576,407	47,453,694	8,466	21,966	1,308,977
March	1,308,977	51,893,564	51,961,740	9,615	46,820	1,184,366
April	1,184,366	50,708,394	50,544,741	8,573	37,364	1,302,082
May	1,302,082	53,637,481	53,668,431	9,963	17,571	1,243,598
June	1,243,598	53,159,684	53,045,150	8,781	22,313	1,327,038
July	1,327,038	55,954,996	55,803,152	8,500	101,329	1,369,053
August	1,369,053	55,909,332	55,749,798	8,420	94,553	1,425,614
September	1,425,614	54,210,073	54,128,414	8,194	85,070	1,414,009
October	1,414,009	54,605,193	54,605,130	7,156	73,756	1,333,160
November	1,333,160	51,961,190	51,841,041	8,229	43,920	1,401,160
December	1,401,160	53,647,856	53,754,076	12,156	33,132	1,249,652
TOTAL		632,768,352	632,015,684	107,861	605,091	

STOCKS (Continued)

	L.P.G. Production		Motor Fuel Production	
	Gallons	Barrels	Gallons	Barrels
January	11,376,838	270,877	9,504	226
February	10,704,455	254,868	9,081	216
March	11,710,589	278,824	9,808	233
April	10,776,873	256,592	7,709	184
May	11,111,732	264,565	9,030	215
June	10,164,292	242,007	7,808	186
July	10,407,459	247,796	7,849	187
August	10,909,408	259,748	7,850	187
September	11,246,850	267,782	7,821	186
October	12,544,657	298,682	7,255	173
November	12,872,677	306,492	802	19
December	14,688,353	349,723	1,672	40
TOTAL	138,514,183	3,297,956	86,189	2,052

CALIFORNIA

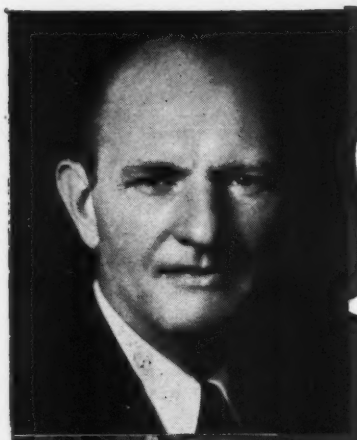
	1944 WELLS ABANDONED			
	Producing		Drilling	
SAN JOAQUIN VALLEY	1944	1943	1944	1943
Antelope Hills	...	...	...	2
Arvin	...	...	...	...
Bellevue	...	...	2	...
Belridge—North	...	1	...	...
Belridge—South	2	1	3	4
Buena Vista Hills	7	10	5	...
Burrel	...	...	2	...
Canal	...	...	...	...
Canfield Ranch	...	...	...	...
Coalinga—East	25	8	2	5
Coalinga—Nose	5	...	...	...
Coalinga—West	12	7	1	1
Coles Levee	1	...	...	...
Dyer Creek	1	...	2	...
Edison	1	2	5	...
Elk Hills	...	1	1	...
Fruitvale	3	1	...	...
Gosford	...	...	...	...
Greeley	...	1	3	...
Helm	...	...	...	4
Jacalitos	...	...	2	...
Kern Front	2	...	5	...
Kern River	2	...	1	...
Kettleman North Dome	...	3	...	...
Lanare	...	...	...	...
Lost Hills	2	2	...	...
McClung	...	...	3	...
McKittrick	4	6	6	...
Midway-Sunset	23	9	15	27
Mountain View	7	4	3	...
Mount Poso	1	2	11	5
Paloma	...	...	2	...
Pleasant Valley	...	...	...	1
Raisin City—East	...	2	...	...
Raisin City—West	...	...	1	...
Rio Bravo	...	...	1	...
Riverdale	...	...	1	2
Round Mountain	2	...	9	9
Shafter	...	1	...	...
Strand—East	...	...	...	2
Strand—West	...	...	1	...
Tejon	...	...	3	...
Ten Section	1	...	...	...
Union Avenue	...	...	...	...
Wasco	...	...	...	...
Wheeler Ridge	...	...	...	...
Total San Joaquin Valley	**101**	**61**	**90**	**62**

	1944 WELLS ABANDONED			
	Producing		Drilling	
COASTAL AREA	1944	1943	1944	1943
Aliso Canyon	...	...	...	...
Capitan	...	1	...	...
Del Valle	...	...	...	...
Elwood	2	2	...	...
Gato Ridge	...	...	1	1
Newhall-Potrero	...	...	...	...
Oak Canyon	...	...	2	3
Padre Canyon	...	...	...	...
Rincon	...	...	1	1
San Martinez	...	...	1	1
San Miguelito	...	...	...	...
Santa Barbara	2	...	...	...
Santa Maria	3	2	5	5
Santa Maria Valley	2	1	2	2
Summerland	...	...	...	...
Ventura Avenue	...	2	...	...
Ventura-Newhall	17	20	11	4
Watsonville	...	...	...	...
Total Coastal Area	**26**	**28**	**23**	**17**
LOS ANGELES BASIN				
Brea-Olinda	1	1	...	...
Buena Park	...	...	...	1
Coyote—East	1	1	...	...
Coyote—West	...	...	...	...
Dominguez	3	4	...	2
El Segundo	2	1	1	...
Huntington Beach	14	16	2	2
Inglewood	2	...	...	...
Lawndale	...	...	...	...
Long Beach	51	63	3	...
Los Angeles-Salt Lake	...	1	...	1
Montebello	16	29	...	1
Newport	...	...	...	1
Playa Del Rey	...	6	...	...
Potrero	...	...	...	...
Richfield	5	2	...	...
Rosecrans	5	3	...	1
Santa Fe Springs	14	14	...	...
Seal Beach	1	2	...	...
Torrance	22	25	...	...
Turnbull Canyon	...	...	...	...
Whittier	...	...	3	...
Wilmington	...	1	...	...
Yorba Linda	3	...	...	2
Total Los Angeles Basin	**140**	**169**	**9**	**11**
Miscellaneous	...	**2**	**201**	**152**
State Total	**267**	**260**	**323**	**242**

Source: A.P.I.

FIELD AND POOL PRODUCTION
CALIFORNIA, 1944, DAILY AVERAGE

SAN JOAQUIN VALLEY	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
BELRIDGE NORTH	5,768	5,538	5,381	5,477	6,456	6,537	6,587	6,969	7,168	7,114	6,819	6,962
Shallow	65	33	26	40	30	60	46	62	57	53	51	76
Temblor	1,005	955	853	844	713	723	996	1,094	1,177	1,114	987	932
"R" Sand	82	40	38	49	40	32	41	22	25	24	23	24
Wagon Wheel	4,335	4,407	4,359	4,440	4,918	4,958	4,744	4,852	4,823	4,825	4,695	4,786
"Y" Sand	281	103	105	104	755	764	760	939	1,086	1,098	1,063	1,144
BELRIDGE SOUTH	8,190	9,167	10,241	10,697	10,701	11,391	11,903	10,646	11,252	12,043	11,993	12,271
South Belridge Area—Shallow	8,175	9,152	10,229	10,685	10,689	11,378	11,891	10,634	11,238	12,029	11,983	12,256
Middle Belridge Area—Shallow	15	15	12	12	12	13	12	12	14	14	10	15
BUENA VISTA	14,445	14,499	14,499	14,477	14,577	15,153	15,841	17,467	23,406	24,693	27,137	29,535
Buena Vista Front	3,784	3,899	3,865	3,832	3,760	3,725	3,770	3,470	3,494	3,731	3,711	3,726
Buena Vista Hills	10,661	10,600	10,634	10,645	10,817	11,428	12,071	13,997	19,912	20,962	23,426	25,809
Sec. 27	.....	.....	63	404	570	1,310	2,114	3,616	9,456	10,775	13,646	15,935
Others	10,661	10,600	10,571	10,241	10,247	10,118	9,957	10,381	10,456	10,187	9,780	9,874
CANAL—Stevens	3,526	3,526	3,516	3,472	3,424	3,500	3,567	3,605	3,582	3,586	3,521	3,551
COALINGA EAST	90,365	92,534	91,264	92,073	92,335	93,386	93,394	96,481	95,986	90,366	88,350	87,436
Main Area	20,968	21,004	21,156	21,510	21,856	21,447	21,601	22,130	22,593	23,064	22,681	22,300
Temblor	20,862	20,902	21,058	21,410	21,755	21,348	21,504	22,033	22,498	22,969	22,585	22,200
Cretaceous	106	102	98	100	101	99	97	97	95	95	96	100
Coalinga Nose Area—Eocene	56,972	59,073	57,654	57,789	57,459	58,827	58,454	60,085	58,988	52,587	52,006	52,064
Coalinga Northeast Area—Eocene	11,025	11,053	10,994	11,052	10,796	10,778	10,663	11,100	10,733	10,319	10,096	10,267
Pleasant Valley Area—Eocene	1,400	1,404	1,460	1,722	2,224	2,334	2,676	3,166	3,672	4,396	3,567	2,805
COALINGA WEST—Main	6,629	6,649	6,771	6,909	6,929	7,233	7,372	7,527	7,687	7,636	7,922	7,830
COFFEE CANYON	1,719	1,697	1,622	1,538	1,575	1,527	1,489	1,487	1,511	1,485	1,484	1,428
New Area	1,282	1,265	1,215	1,110	1,142	1,100	1,108	1,116	1,124	1,105	1,097	1,026
Old Area	437	432	407	428	433	427	381	371	387	380	387	402
COLES LEVEE NORTH	15,219	16,436	16,427	16,480	16,396	16,437	16,020	16,008	15,388	15,589	14,396	14,408
Northwest Area	80	75	75	71	67	62	78	75	77	69	74	76
Richfield Western Area	15,139	16,361	16,352	16,409	16,329	16,375	15,942	15,933	15,311	15,520	14,322	14,332
Western	13,651	15,041	15,006	15,052	15,001	14,948	14,494	14,497	13,847	14,021	13,140	13,089
21-1	1,488	1,320	1,346	1,357	1,328	1,427	1,448	1,436	1,464	1,499	1,182	1,243
COLES LEVEE SOUTH	3,112	2,619	2,614	2,603	2,399	2,111	2,068	2,308	2,634	2,611	2,615	2,626
EDISON	2,615	2,687	2,554	2,797	2,746	2,620	2,664	2,744	2,984	2,949	3,118	3,477
First Duff	1,228	1,256	1,225	1,234	1,213	1,174	1,180	1,074	1,239	1,361	1,370	1,399
Second Duff	1,387	1,431	1,329	1,563	1,533	1,446	1,484	1,670	1,745	1,588	1,748	2,005
Fairfax	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	73
ELK HILLS	15,463	14,904	15,557	15,507	14,789	15,274	16,863	17,630	21,461	28,403	34,783	42,146
Tupman Area	14,369	14,169	13,905	14,057	13,811	14,141	14,938	15,194	16,680	18,621	34,439	41,819
Hay-Carmen Area	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Central Area	1,094	735	1,652	1,450	978	1,133	1,925	2,436	4,781	9,782	344	327
Upper	1,094	733	1,649	1,450	978	1,133	1,925	2,383	4,721	9,634	.....	.....
Lower	.....	2	3	.....	.....	.....	.....	53	60	148	334	319
Northwest	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10	8
FRESNO AREA	5,320	5,672	5,686	6,456	7,236	7,261	8,106	9,195	9,848	10,754	11,031	11,565
BURREL	.....	.....	.....	27	32	12	21	25	25	16	10	35
HELM	796	671	748	882	1,123	946	1,201	1,395	1,614	1,975	2,234	2,611
Temblor	192	190	206	210	210	169	125	146	124	135	145	366
Upper	85	97	106	109	106	110	98	115	116	135	133	328
Lower	107	93	100	101	104	59	27	31	8	.....	12	38
Eocene	604	481	542	672	913	777	1,076	1,249	1,490	1,840	2,089	2,245



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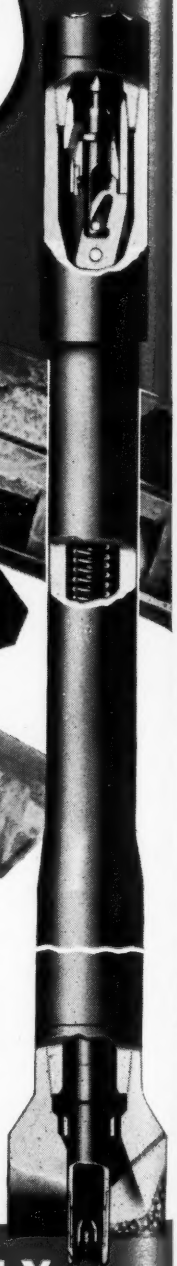

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ROLLER BIT COMPANY

LOS ANGELES • CALIFORNIA

FIELD AND POOL PRODUCTION

CALIFORNIA, 1944, DAILY AVERAGE

SAN JOAQUIN VALLEY—(Continued)	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
LANARE	52	101	110	119	136	145	143	160	131	223	168	220
Miocene	52	36	69	88	95	92	93	92	89	88	103	132
Eocene	.....	65	41	31	41	53	50	68	42	135	65	88
PANOCHE CREEK												
RAISIN CITY	1,584	1,779	2,018	2,220	2,207	2,418	2,458	2,876	3,019	3,108	3,363	3,376
Miocene	706	750	929	995	1,044	1,022	1,146	1,446	1,577	1,686	1,822	1,671
Eocene	878	1,029	1,089	1,225	1,163	1,396	1,312	1,430	1,442	1,422	1,541	1,705
RIVERDALE	2,888	3,121	2,810	3,208	3,738	3,740	4,283	4,739	5,059	5,432	5,256	5,323
Miocene	2,003	2,135	1,789	1,738	2,012	2,087	2,053	2,233	2,367	2,396	2,157	2,181
Eocene	885	986	1,021	1,470	1,726	1,653	2,230	2,506	2,692	3,036	3,099	3,142
TURK ANTICLINE	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
FRUITVALE—Martin-Kernco	7,039	7,366	7,702	8,572	8,295	8,268	9,012	8,826	8,734	8,434	8,535	8,460
GREELEY	14,235	14,389	14,016	14,084	14,281	14,197	13,904	14,058	14,598	14,333	14,344	14,413
Greeley	788	682	727	719	714	707	770	779	790	864	873	894
11-2	13,447	13,707	13,289	13,365	13,567	13,490	13,134	13,279	13,808	13,469	13,471	13,519
KERN FRONT—All Pools	7,655	7,773	8,197	8,228	8,647	9,095	9,109	9,488	9,604	9,159	9,056	8,703
KERN RIVER—All Pools	8,915	9,202	9,372	9,452	9,512	9,538	9,413	9,852	9,825	9,664	9,659	9,628
KETTLEMAN NORTH DOME	41,974	42,799	41,939	40,606	40,779	41,367	41,669	40,456	41,271	41,028	41,475	40,833
Temblor	36,094	35,725	35,025	33,770	33,874	34,323	34,845	33,743	33,558	33,487	33,743	32,617
North	16,027	16,347	15,887	15,717	15,807	16,063	16,155	15,976	16,497	16,829	17,071	16,456
South	20,067	19,378	19,138	18,053	18,067	18,260	18,690	17,767	17,061	16,658	16,672	16,161
Vaqueros	3,793	4,189	4,153	4,323	4,427	4,461	4,385	4,323	5,513	5,128	5,205	5,765
Eocene	2,087	2,885	2,761	2,513	2,478	2,583	2,439	2,390	2,200	2,413	2,527	2,451
LOST HILLS	3,595	3,610	3,564	3,609	3,516	3,399	3,315	3,395	3,366	3,490	3,455	3,409
Main Area	3,273	3,296	3,270	3,295	3,191	3,067	2,990	3,082	3,098	3,168	3,147	3,116
Williamson Area	322	314	294	314	325	332	325	313	268	322	308	293
McKITTRICK DISTRICT	4,546	4,688	4,679	4,639	4,675	4,845	5,003	5,218	5,195	5,249	5,132	4,922
CYMRIC	566	476	472	451	462	703	875	1,025	989	1,097	991	854
McKITTRICK	3,161	3,283	3,275	3,317	3,302	3,262	3,226	3,266	3,211	3,164	3,171	3,145
McKITTRICK FRONT	804	912	916	855	892	863	887	910	981	971	955	908
Upper	83	119	87	79	114	92	171	223	213	199	217	195
Lower	721	793	829	776	778	771	716	687	768	772	738	713
TEMBLOR RANCH	15	17	16	16	19	17	15	17	14	17	15	15
MIDWAY-MARICOPA DISTRICT	40,110	40,956	41,814	41,721	41,414	41,798	41,996	41,538	41,772	41,459	40,719	40,435
Lake View	4,567	4,295	4,259	4,255	3,968	3,704	3,691	3,500	3,505	3,294	3,212	3,051
Gibson	214	240	188	169	151	174	234	227	275	255	272	215
Maricopa Flat	760	788	734	759	760	739	773	761	689	743	712	764
Midway East	8,106	8,491	9,028	9,539	9,717	10,041	10,462	10,592	10,926	10,801	10,491	10,277
Midway West	22,427	23,115	23,601	23,289	23,262	23,585	23,353	23,182	23,022	23,001	22,559	22,716
Quality	2,169	2,110	2,248	2,112	2,007	2,067	2,059	1,867	1,932	1,922	1,912	1,906
Republic	849	905	916	932	901	855	814	850	877	898	891	853
Section 6	1,018	1,012	840	666	648	633	610	559	546	545	670	653
MOUNT POSO DISTRICT	22,763	22,791	23,481	22,290	21,543	21,507	21,415	21,420	21,325	21,243	20,864	20,323
BAKER	521	502	477	458	481	432	456	451	420	416	406	364
DOMINION	386	465	405	390	381	420	406	416	409	401	417	389
DORSEY	420	409	433	480	508	469	458	483	469	456	479	494
DYER CREEK	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
MOUNT POSO—Main Area	19,598	18,985	19,667	18,985	18,528	18,385	18,192	17,901	17,732	17,791	17,655	17,293
NORTH MOUNT POSO	1,807	2,310	2,359	1,836	1,508	1,507	1,593	1,900	2,030	1,884	1,717	1,534
SUNSET	21	24	36	39	19	20	29	34	18	31	43	49
VEDDER	.....	96	104	102	118	274	281	235	247	264	147	200
WEST MOUNT POSO	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
MOUNTAIN VIEW	3,406	3,087	3,129	3,142	3,060	2,961	3,051	3,250	3,304	3,195	3,256	3,004
Northwest Area	673	664	668	673	649	686	734	720	727	705	690	682
Southeast Area	2,429	2,135	2,168	2,218	2,130	2,021	2,103	2,262	2,313	2,251	2,341	2,086
Earl Fruit Area	79	78	88	54	85	97	80	87	94	84	67	72
Arvin Area	225	210	205	197	196	157	134	181	170	155	158	164

FIELD AND POOL PRODUCTION
CALIFORNIA, 1944, DAILY AVERAGE

SAN JOAQUIN VALLEY—(Continued)	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PALOMA	907	965	1,238	915	961	1,829	3,251	4,637	6,712	5,658	6,623	6,388
Paloma	845	880	1,238	915	961	1,829	3,244	4,519	6,587	5,546	6,523	6,295
Symons	62	85	.....	.....	.....	.....	7	118	125	112	100	93
POSO CREEK DISTRICT	4,562	4,408	4,465	4,927	4,941	4,750	4,745	4,702	4,562	4,812	4,476	4,217
McVAN	76	95	69	60	116	68	66	107	81	128	59	63
PREMIER	4,486	4,313	4,396	4,867	4,825	4,682	4,641	4,523	4,282	4,437	4,093	3,857
PREMIER EAST	.....	.....	.....	.....	.....	.....	38	72	199	247	324	297
RIO BRAVO												
Rio Bravo—Vedder	16,220	16,169	16,110	16,208	15,863	15,998	15,915	16,091	16,801	16,314	16,312	16,134
ROUND MOUNTAIN DISTRICT	9,737	9,691	9,790	9,417	9,337	9,293	9,123	8,859	8,584	8,714	8,493	8,304
Main Area	6,767	6,614	6,677	6,495	6,428	6,368	6,258	6,137	6,086	6,091	5,946	5,857
Jewett	1,036	987	1,045	995	948	905	909	862	876	882	880	813
Vedder	5,731	5,627	5,632	5,500	5,480	5,463	5,349	5,275	5,210	5,209	5,066	5,044
Northwest Area—Vedder	1,674	1,571	1,547	1,508	1,518	1,499	1,432	1,383	1,267	1,268	1,159	1,128
Pyramid Area—Vedder	971	973	953	948	950	948	972	937	978	1,027	1,014	1,001
West Area—Vedder	325	533	613	466	441	478	461	402	253	328	374	318
STRAND—Stevens	1,900	1,791	1,797	1,768	1,674	1,662	1,661	1,701	1,777	1,743	1,570	1,768
Upper	931	770	724	796	672	660	662	660	604	608	568	700
Lower	969	1,021	1,073	972	1,002	1,002	999	1,041	1,173	1,135	1,002	1,068
STRAND—EAST	294	278	278	379	505	519	520	538	651	607	635	699
TEN SECTION—Stevens	14,566	14,013	13,072	12,772	12,247	11,825	11,912	12,157	12,847	12,434	11,739	12,021
WASCO	2,630	2,601	2,368	2,556	2,372	2,331	2,041	1,785	2,066	2,252	1,992	2,003
Shale	3	3	3	3	3	3	3	2	1	1	.....	1
Vedder	2,627	2,598	2,365	2,553	2,369	2,328	2,038	1,783	2,065	2,251	1,992	2,002
WHEELER RIDGE—All Pools	241	249	261	251	264	253	247	246	250	248	242	246
WILLIAMS—Williams	1,667	1,577	1,735	1,769	1,673	1,673	1,679	1,826	2,199	2,277	2,179	1,765
OTHER FIELDS	943	960	1,021	988	1,397	1,785	2,426	2,433	2,764	3,374	3,417	3,436
ARVIN	32	45	39	45	39	40	40	38	40	38	21	27
BLACKWELLS CORNER	.....	.....	.....	5	10	60	180	137	333	392	143	68
CANFIELD RANCH	35	39	37	35	41	39	38	58	37	181	217	64
BELLEVUE	.....	.....	.....	.....	319	475	701	726	775	720	784	663
CHICO MARTINEZ	18	11	24	24	19	19	23	21	19	18	17	.....
DEVIL'S DEN	.....	.....	19	6	6	5	5	5	6	.....	.....	.....
GOULD HILLS	.....	.....	3	.....	.....	3	5	4	.....	.....	.....	.....
GRAPEVINE	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
JACALITOS ANTICLINE	304	310	292	289	341	524	849	768	806	876	1,059	1,091
KERN BLUFF	.....	2	1	4	9	21	8	1	1	.....	.....	.....
McCLUNG	215	180	139	135	126	119	120	120	62	111	118	113
PYRAMID HILLS	86	111	141	90	146	173	161	184	202	283	327	433
QUINN RANCH	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
SHAFTER	9	37	53	40	39	6	.....	.....	1	2	3	3
SHEEP SPRINGS	.....	.....	.....	.....	.....	.....	.....	.....	89	329	283	385
TEJON RANCH	98	111	160	187	178	166	164	163	147	149	217	250
TERRA BELLA	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
RACE TRACK HILL	.....	.....	.....	.....	.....	.....	.....	.....	60	53	43	72
UNION AVENUE	145	113	113	128	124	118	84	101	87	70	76	64
ANTELOPE PLAINS	.....	.....	.....	.....	.....	17	3	42	39	29	23	30
ANT HILLS	.....	.....	.....	.....	.....	.....	45	65	60	123	86	173
SAN JOAQUIN VALLEY TOTAL:	380,276	385,291	386,160	386,779	386,519	391,323	397,281	404,543	421,114	422,916	427,342	434,346

FIELD AND POOL PRODUCTION
CALIFORNIA, 1944, DAILY AVERAGE

COASTAL	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
Santa Barbara District												
CAPITAN	3,428	3,418	3,281	3,164	3,089	3,011	2,950	2,775	2,588	2,632	2,615	2,475
Vaqueros	3,335	3,312	3,182	3,074	2,991	2,913	2,864	2,684	2,482	2,523	2,510	2,366
Sespe	93	106	99	90	98	98	86	91	106	109	105	109
ELWOOD	5,994	5,609	6,247	5,807	5,720	5,657	5,874	6,072	5,677	5,715	5,728	5,688
Vaqueros	5,880	5,505	6,145	5,701	5,632	5,558	5,756	5,925	5,580	5,608	5,627	5,583
Sespe	114	104	102	106	88	99	118	147	97	107	101	105
SANTA BARBARA—Vaqueros	87	95	105	106	81	98	81	97	88	85	84	78
SUMMERLAND—All Pools	8	8	8	7	6	7	5	7	6	5	2	2
Santa Maria District												
BRADLEY CANYON	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	108
CASMALIA—All Pools	549	225	318	314	577	520	499	681	639	536	444	566
CAT CANYON	6,002	6,050	6,581	6,243	6,451	6,310	6,678	7,183	7,948	7,730	8,180	7,679
East	.....	.....	.....	.....	9	.....	.....	444	541	748	868	767
West	1,646	1,604	1,604	1,550	1,506	1,230	1,257	1,250	1,310	1,121	1,300	1,271
Las Flores	4,356	4,446	4,977	4,693	4,936	5,080	5,421	5,470	6,084	5,852	6,001	5,641
North	.....	.....	.....	.....	.....	.....	.....	19	13	9	11	.....
GATO RIDGE—Tognazzini	4,442	4,299	4,089	4,776	4,848	5,277	5,134	5,448	5,175	4,999	4,754	4,786
LOMPOC—All Pools	1,717	1,699	1,739	1,690	1,728	1,722	1,709	1,741	1,833	1,883	1,818	1,832
ORCUTT—All Pools	4,156	3,968	3,952	4,042	4,064	4,170	3,954	3,923	3,912	3,956	3,908	3,844
SANTA MARIA VALLEY	24,972	23,886	25,745	26,834	28,385	36,037	33,797	33,785	33,770	32,778	33,336	37,130
CAREAGA	.....	.....	.....	.....	.....	.....	.....	.....	.....	10	11	.....
Ventura District												
PADRE CANYON—All Pools	927	975	1,181	1,196	1,145	1,161	1,343	1,171	1,880	1,620	1,611	1,900
RINCON	3,248	3,451	3,600	3,592	4,098	4,318	4,297	4,133	4,469	4,434	4,777	4,811
South-Central Block	1,852	1,922	2,097	1,961	2,190	2,285	2,421	2,381	2,641	2,734	3,039	3,038
Hobson-Tomson-Miley	1,732	1,800	1,977	1,837	2,070	2,167	2,304	2,266	2,528	2,619	2,932	2,929
Deep	120	122	120	124	120	118	117	115	113	115	107	109
North Block	953	974	942	933	898	926	920	779	790	713	748	758
Hobson-Tomson	690	674	642	642	646	639	614	526	577	465	490	508
Miley	263	300	300	291	252	287	306	253	213	248	258	250
West Area—Miley	443	555	561	698	1,010	1,107	956	973	1,038	987	990	1,015
SAN MIGUELITO	5,466	5,533	5,518	5,702	5,926	5,586	5,786	5,742	5,719	5,710	5,968	5,879
Grubb One	5,466	5,533	5,518	5,231	5,276	5,101	4,900	4,887	4,880	4,765	4,597	4,646
Grubb Two	.....	.....	.....	471	650	485	886	855	839	945	1,371	1,233
VENTURA AVENUE	44,158	46,359	46,024	46,658	46,204	48,356	48,676	49,077	51,761	49,605	47,126	48,718
Shallow	21,858	22,460	22,795	22,738	22,667	22,941	22,295	21,812	22,175	21,134	20,383	20,935
A-3; B-3	2,886	2,549	2,434	2,341	2,151	2,072	2,138	2,417	2,308	2,128	1,980	2,028
B-1, 2	159	107	83	98	108	85	50	54	94	111	112	105
B-4	464	449	495	512	457	382	571	373	610	559	451	325
C-1, 2 West	410	388	470	615	593	550	514	538	616	599	591	512
C-3 West	3,272	3,428	3,603	3,402	3,415	3,586	3,426	3,170	3,203	3,420	2,665	3,220
C-4 West	265	328	308	316	313	308	289	258	258	309	312	261
"C" Block	14,402	15,211	15,402	15,454	15,630	15,958	15,307	15,002	15,086	14,008	14,272	14,484
Deep	22,300	23,899	23,229	23,920	23,537	25,415	26,381	27,265	29,586	28,471	26,743	27,783
D-3	1,507	1,607	1,613	1,516	1,619	1,580	1,586	1,587	1,605	1,443	1,317	1,235
D-4	360	343	267	303	255	204	197	237	274	213	237	258
D-5 West	7,484	7,919	7,327	7,674	7,769	7,633	7,486	7,396	7,540	7,574	7,122	6,951
D-5, 6 East	8,416	8,806	8,643	8,960	8,619	8,753	9,411	9,349	10,310	9,954	9,469	8,768
D-6 West	3,427	3,433	3,741	3,834	3,135	3,537	3,428	3,528	3,407	3,657	3,323	3,386
D-7	1,106	1,791	1,638	1,633	2,140	3,708	4,273	5,168	6,450	5,630	5,275	7,185
VENTURA-OJAI												
TIPTOP-FRESNO CANYON	10	10	10	10	10	25	9	10	9	5	5	5

His Fist

hit the desk

"If this company isn't using Gravel Packing to increase production and save repairs, we at least, ought to know why."

PARDON the big boss for being a bit emphatic, but he's right.

When a method has demonstrated its ability to maintain greater and longer lasting well production at *reduced* maintenance cost where loose producing sand is encountered, it should be thoroughly investigated.

Gravel Packing does just that:—

1. It saves both initial and replacement cost of expensive screens and liners.
2. It maintains a higher rate of flow.
3. It eliminates time off production for redrilling and clean out.
4. It saves costly and recurring pump and equipment repairs.

Can your company afford to lose these advantages?

TEXACO

TEXACO DEVELOPMENT CORPORATION

A Subsidiary of The Texas Company

FIELD AND POOL PRODUCTION
CALIFORNIA, 1944, DAILY AVERAGE

COASTAL—(Continued)	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
Santa Paula-Newhall District												
FILLMORE	1,341	1,447	1,697	1,771	1,800	2,116	2,153	2,337	2,300	2,369	2,223	2,366
BARDSDALE	215	197	224	191	193	196	198	198	197	190	194	279
Elkins Area	25	11	22	20	18	18	15	14	9	16	14	13
Other Areas	190	186	202	171	175	178	183	184	188	174	180	266
SESPE CANYON	152	256	289	259	255	274	240	241	203	201	161	171
SHIELLS CANYON	960	978	1,165	1,306	1,336	1,630	1,699	1,882	1,884	1,962	1,852	1,901
TOPA-TOPA	14	16	19	15	16	16	16	16	16	16	16	15
NEWHALL	9,748	9,880	10,138	10,764	10,657	10,337	10,283	10,572	11,167	10,858	10,215	10,134
DEL VALLE	3,205	3,220	3,385	3,971	4,209	3,931	4,179	4,339	4,573	4,458	4,412	4,390
East	1,218	1,187	1,312	1,623	1,700	1,503	1,691	1,813	1,894	1,848	1,712	1,550
DL4-DL5	15	17	14	5	20	9	10	9	11	6	9	9
Sherman	855	819	844	824	849	733	826	719	611	674	739	677
Del Valle	138	144	249	588	551	560	534	647	733	702	566	536
Bering	210	207	205	206	280	201	321	438	539	466	398	328
West	1,987	2,033	2,073	2,348	2,509	2,428	2,488	2,526	2,679	2,610	2,700	2,840
Others	.....	.....	.....	.....	25	37	36	31	30	32	18	29
Sterry	.....	50	46	45	40	38	35	30	31	30	30	27
Sepulveda	283	331	305	383	391	370	334	411	435	397	420	315
Vasquez-Videgain	1,704	1,652	1,722	1,920	2,053	1,983	2,083	2,054	2,183	2,151	2,232	2,469
ELSMERE CANYON	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
NEWHALL	78	45	63	48	78	49	62	60	58	57	70	43
NEWHALL-POTRERO	5,499	5,523	5,634	5,653	5,288	5,256	4,978	4,980	5,220	5,032	4,527	4,451
OAK CANYON	960	1,084	1,049	1,082	1,073	1,092	1,061	1,190	1,313	1,308	1,202	1,245
Wickham	24	56	53	47	30	51	45	42	42	45	42	48
Gilmour	186	278	246	285	293	292	271	257	269	280	243	277
Lechler	750	750	750	750	750	749	745	891	1,002	983	917	907
Maxwell Weaver	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13
PICO CANYON	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
WILEY-TOWSLEY CANYON	6	8	7	10	9	9	3	3	3	3	6	5
PIRU	1,227	1,184	1,131	1,170	1,135	1,265	1,260	1,207	1,142	1,109	1,094	1,050
HOLSER CANYON	23	18	14	14	26	16	25	30	6	.....	21	13
HOPPER CANYON	73	98	74	136	124	111	101	101	85	61	52	59
MODELO	7	11	6	7	7	6	7	6	7	6	1	1
TAPO-EUREKA	4	2	10	7	11	10	9	11	11	11	14	3
TEMESCAL	968	919	883	860	810	1,000	976	915	882	882	869	837
TORREY CANYON	152	136	144	146	157	122	142	144	151	149	137	137
SANTA PAULA	1,501	1,559	1,530	1,519	1,655	1,821	1,722	1,735	1,808	1,778	1,902	1,925
EX-MISSION	20	27	21	22	26	26	25	25	38	35	31	28
SISAR-SILVERTHREAD	73	137	106	93	122	141	135	128	139	135	120	125
SOUTH MOUNTAIN	1,386	1,374	1,379	1,381	1,484	1,623	1,541	1,555	1,602	1,585	1,720	1,747
SULPHUR MOUNTAIN	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TIMBER CANYON	22	21	24	23	23	31	21	27	29	23	31	25
SIMI-CONEJO-OXNARD	547	638	603	1,022	1,388	1,798	1,855	1,693	1,418	1,376	1,369	1,321
CONEJO	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
OXNARD	469	566	525	950	1,310	1,734	1,776	1,616	1,343	1,289	1,297	1,250
SIMI	78	72	78	72	78	64	79	77	75	87	72	71
Other Coastal Counties	303	203	149	178	156	161	180	224	226	138	116	147
SAN LUIS OBISPO	279	181	120	155	134	139	158	205	203	116	93	125
EDNA	64	59	64	60	65	70	62	134	142	74	74	81
HUASNA	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
PISMO	215	122	56	95	69	69	96	71	61	42	19	44
Martin	28	21	21	10	6	16	23	20	12	18	10	26
East Elberta	187	101	35	85	63	53	73	51	49	24	9	18
SAN MATEO—HALF MOON BAY	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
SANTA CLARA	24	22	29	23	22	22	22	19	23	22	23	22
LOS GATOS	.....	.....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....
SARGENT	24	22	23	23	22	22	22	19	23	22	23	22
COASTAL TOTAL:	119,831	120,496	123,646	126,565	129,123	139,753	138,245	139,613	143,535	139,331	137,286	142,444

FIELD AND POOL PRODUCTION
CALIFORNIA, 1944, DAILY AVERAGE

LOS ANGELES BASIN	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
ALAMITOS HEIGHTS—All Pools	731	750	738	728	693	702	673	646	683	717	698	673
ALISO CANYON	2,447	2,703	2,624	2,584	2,686	2,803	3,142	3,151	3,657	3,362	3,360	3,523
Eocene	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	88
Porter	1,526	1,674	1,492	1,512	1,537	1,487	1,488	1,497	1,691	1,533	1,503	1,500
Sesnon	921	1,029	1,121	1,068	1,149	1,316	1,608	1,619	1,915	1,752	1,813	1,880
Faulted Sesnon	.....	.....	11	4	.....	.....	46	35	51	77	44	55
BREA-OLINDA DISTRICT	11,428	11,381	11,520	11,528	11,407	11,724	11,807	11,710	11,873	11,969	12,093	11,850
BREA	4,899	4,488	4,417	4,395	4,940	5,209	5,183	5,251	5,282	5,508	5,393	5,196
OLINDA	3,714	4,047	4,013	4,016	3,548	3,616	3,671	3,569	3,785	3,765	4,020	4,042
TONNER	2,815	2,846	3,090	3,117	2,919	2,899	2,953	2,890	2,806	2,696	2,680	2,612
COYOTE EAST	5,365	5,226	5,208	5,534	5,579	5,409	5,529	5,563	5,362	5,273	5,250	5,311
Graham-Loftus-Hualde	2,529	2,497	2,478	2,532	2,639	2,408	2,546	2,688	2,477	2,464	2,481	2,500
Mathis	1,485	1,455	1,460	1,520	1,435	1,535	1,505	1,469	1,482	1,433	1,339	1,378
Stern	1,351	1,274	1,270	1,482	1,505	1,466	1,478	1,406	1,403	1,376	1,430	1,433
COYOTE WEST	12,130	12,265	11,883	12,203	11,876	12,098	12,327	11,964	12,046	11,934	12,476	12,174
Murphy	4,523	4,464	4,213	4,350	4,124	4,328	4,647	4,577	3,974	4,167	4,081	4,094
Ninety-nine	2,372	2,442	2,380	2,359	2,292	2,543	3,048	2,286	2,915	2,477	2,892	2,639
Emery	5,193	5,317	5,249	5,459	5,426	5,190	4,600	4,464	4,781	4,595	4,863	4,790
East	2,762	2,907	2,598	2,736	3,024	2,875	2,369	2,490	2,674	2,484	2,730	2,669
West	2,431	2,410	2,651	2,723	2,402	2,315	2,231	1,974	2,107	2,111	2,133	2,121
McNally	42	42	41	35	34	37	32	32	33	34	34	35
Lower Ninety-nine	.....	.....	.....	.....	.....	.....	.....	605	343	661	606	616
DOMINGUEZ	23,100	22,820	22,272	22,261	21,907	21,797	20,958	21,115	21,148	20,725	20,132	19,866
Pliocene	15,984	15,696	15,408	15,355	15,113	15,357	14,934	15,099	15,539	15,054	15,023	14,761
5th West Block	.....	.....	262	207	350	623	399	387	919	674	566	747
Others	15,984	15,696	15,146	15,148	14,763	14,734	14,535	14,712	14,620	14,380	14,457	14,014
Miocene	7,116	7,124	6,864	6,906	6,794	6,440	6,024	6,016	5,609	5,671	5,109	5,105
7th Central Block	916	857	772	738	709	641	660	645	602	778	569	649
8th Central Block	1,331	1,348	1,312	1,290	1,345	1,301	1,203	1,251	1,156	1,161	1,110	1,090
South Central Block	834	835	849	872	874	906	913	942	947	954	749	797
South-West Block	118	116	154	192	160	150	140	136	135	131	110	149
West Block	3,362	3,436	3,334	3,299	3,216	3,006	2,742	2,658	2,404	2,237	2,240	2,099
West Town Lot Block	555	532	443	515	490	436	366	384	365	410	331	321
EL SEGUNDO	925	882	987	901	842	866	875	1,028	1,005	911	777	804
West Area	.....	.....	16	20	6	7	.....	36	45	33	30	42
Others	925	882	971	881	836	859	875	992	960	878	747	762
HUNTINGTON BEACH NEW	24,623	29,092	29,240	29,602	30,558	31,058	31,422	31,291	31,832	31,626	31,428	31,187
On-Shore	3,211	3,521	3,708	4,227	4,153	4,221	4,278	4,140	4,122	4,190	4,402	4,111
Tar Zone	543	536	487	500	530	493	576	505	486	534	595	530
Main Area	1,604	1,795	1,878	2,403	2,343	2,318	2,264	2,264	2,286	2,386	2,472	2,326
A-37 Area	1,064	1,190	1,343	1,324	1,280	1,410	1,438	1,371	1,350	1,270	1,335	1,255
Off-Shore	21,412	25,571	25,532	25,375	26,405	26,837	27,144	27,151	27,710	27,436	27,026	27,076
Main	16,975	18,785	18,574	18,235	18,234	18,087	18,162	18,069	17,785	17,446	17,329	17,154
Jones	4,437	6,786	6,958	7,140	8,171	8,750	8,982	9,082	9,925	9,990	9,697	9,922
HUNTINGTON BEACH OLD	16,687	16,573	16,822	16,630	16,793	16,730	16,562	16,876	17,204	16,016	15,828	16,164
Bolsa Area	7,265	7,323	7,514	7,316	7,272	7,298	7,399	7,477	8,074	6,929	6,924	7,096
Tar Bolsa	938	940	984	978	929	867	855	956	1,027	809	794	874
Ashton	6,327	6,383	6,530	6,338	6,343	6,431	6,544	6,521	7,047	6,120	6,130	6,222
Upper	3,516	3,571	3,636	3,529	3,472	3,519	3,699	3,613	4,054	3,748	3,675	3,573
Lower	2,811	2,812	2,894	2,809	2,871	2,912	2,845	2,908	2,993	2,372	2,455	2,649
Other Areas	9,422	9,250	9,308	9,314	9,521	9,432	9,163	9,399	9,130	9,087	8,904	9,068
Tar Bolsa	1,416	1,300	1,382	1,414	1,530	1,488	1,414	1,290	1,373	1,398	1,385	1,434
Ashton	8,006	7,950	7,926	7,900	7,991	7,944	7,749	8,109	7,757	7,689	7,519	7,634
INGLEWOOD	18,864	18,971	18,812	18,332	17,801	16,767	17,144	17,065	17,484	17,151	16,797	16,668
Vickers-Machado	8,701	8,858	8,744	8,531	8,592	7,806	8,135	8,107	8,659	8,448	8,441	8,455
Rindge	3,880	3,718	3,675	3,667	3,562	3,521	3,307	3,415	3,521	3,423	3,308	3,275
Rubel	4,084	4,301	4,273	4,039	3,979	3,818	3,783	3,581	3,425	3,719	3,485	3,426
Moynier	.....	.....	.....	.....	5	1	3	4	.....	.....	.....	.....
Sentous	2,199	2,094	2,120	2,095	1,663	1,621	1,916	1,958	1,879	1,561	1,563	1,512

FIELD AND POOL PRODUCTION

Rubel	4,084	4,301	4,273	4,059	3,975	3,818	3,914	3,922	3,911	3,911	3,911	3,911
Moynier	.....	.....	.....	.....	5	1	3	4	.....	.....	.....	.....
Sentous	2,199	2,094	2,120	2,095	1,663	1,621	1,916	1,958	1,879	1,561	1,563	1,512

FIELD AND POOL PRODUCTION
CALIFORNIA, 1944, DAILY AVERAGE

LOS ANGELES BASIN—(Continued)	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
LONG BEACH	30,109	29,818	30,287	29,844	29,824	30,217	29,563	29,532	29,062	28,616	29,039	27,947
Old Area	29,505	29,207	29,640	29,257	29,249	29,674	29,032	28,977	28,512	28,103	28,545	27,465
Upper	29,195	28,950	29,360	28,990	28,992	29,383	28,716	28,696	28,210	27,834	28,249	27,188
De Soto	310	257	280	267	257	291	316	281	302	268	296	277
Northwest Extension Area	604	611	647	587	575	543	531	555	550	513	494	482
MONTEBELLO	10,633	10,775	10,811	11,181	10,755	10,776	10,777	10,537	10,392	10,436	10,411	10,542
Main Area—Baldwin One-Two-Three	6,955	6,905	7,426	7,700	7,284	7,341	7,431	7,276	7,209	7,478	7,272	7,498
East Area	346	335	294	286	291	303	281	255	255	237	235	269
Cruz	17	14	15	10	16	10	8	10	10	12	12	10
Nutt	329	321	279	276	275	293	273	245	245	225	223	259
West Area	3,332	3,535	3,091	3,195	3,180	3,132	3,065	3,006	2,928	2,721	2,904	2,775
Fifth Zone	460	419	366	334	394	360	329	294	258	251	196	228
Sixth Zone	127	150	122	163	335	112	297	281	244	232	207	178
Masser Zone	748	838	798	758	748	839	798	804	770	724	736	773
Seventh Zone	377	429	398	437	414	329	388	409	385	378	411	323
Eighth Zone	1,620	1,699	1,407	1,503	1,289	1,492	1,253	1,218	1,271	1,136	1,185	1,130
Ninth Zone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	169	143
PLAYA DEL REY	2,640	2,590	2,638	2,455	2,500	2,663	2,615	2,680	2,708	2,527	2,499	2,533
Del Rey Hills Area	759	774	697	635	644	704	730	635	678	649	675	718
Venice Area	1,881	1,816	1,941	1,820	1,856	1,959	1,885	2,045	2,030	1,878	1,824	1,815
POTRERO	973	932	1,071	1,351	1,233	1,212	1,148	1,091	1,043	1,057	1,062	929
Central Area	733	718	700	965	835	828	779	733	699	683	655	629
East Area	178	164	308	343	338	339	305	306	287	318	338	254
Potrero No. 2	.....	.....	156	160	158	160	153	151	137	132	121	121
Others	178	164	152	183	180	179	152	155	150	186	217	133
West Area	62	50	63	43	60	45	64	52	57	56	69	46
RICHFIELD	6,500	6,374	6,484	6,626	6,469	6,614	6,657	6,622	6,820	6,641	6,707	6,544
East Area	3,089	3,037	3,056	3,146	3,167	3,237	3,351	3,347	3,462	3,342	3,393	3,225
West Area	3,411	3,337	3,428	3,480	3,302	3,377	3,306	3,275	3,358	3,299	3,314	3,319
ROSECRANS-ATHENS	5,891	6,009	6,402	6,535	6,313	6,119	5,963	5,960	6,050	6,051	5,991	5,945
Rosecrans Area	4,669	4,908	5,128	5,210	5,065	4,883	4,687	4,668	4,794	4,678	4,553	4,587
Maxwell-Hoge	635	585	614	639	608	576	571	564	568	541	491	515
Zinns	687	685	720	672	677	636	568	526	469	482	502	608
Miocene	3,347	3,638	3,794	3,899	3,780	3,671	3,548	3,578	3,757	3,655	3,560	3,464
Banks Block	.....	412	471	516	505	455	462	442	492	483	446	457
Seventh	2,529	2,433	2,439	2,505	2,475	2,418	2,345	2,334	2,305	2,299	2,235	2,167
Eighth	818	793	884	878	800	798	741	802	960	873	879	840
Athens Area	1,222	1,101	1,274	1,325	1,248	1,236	1,276	1,292	1,256	1,373	1,438	1,358
Upper	123	111	263	329	318	353	217	299	308	364	320	327
Lower	788	710	731	714	647	618	805	729	706	747	854	776
Miocene	311	280	280	282	283	265	254	264	242	262	264	255
SANTA FE SPRINGS—All Pools	19,039	18,678	18,907	18,720	18,845	18,688	18,694	18,540	18,445	18,419	18,638	18,346
SEAL BEACH	6,745	6,630	6,440	7,333	6,770	6,728	6,437	6,740	7,635	7,646	7,780	7,281
Bixby-Selover	2,061	1,942	1,856	1,912	1,958	1,769	1,639	1,595	1,558	1,994	1,811	1,558
Wasem	3,453	3,482	3,334	3,324	3,276	3,384	3,196	3,139	3,505	3,412	3,520	3,378
McGrath	1,231	1,206	1,250	2,097	1,536	1,575	1,602	2,006	2,572	2,240	2,449	2,345
TORRANCE-HERMOSA	8,331	8,614	8,458	8,739	9,192	8,674	8,721	8,921	8,966	8,490	8,575	8,566
Hermosa Area	79	63	70	64	62	91	81	74	74	56	55	72
Torrance Area	7,381	7,635	7,473	7,761	8,199	7,710	7,745	7,937	8,003	7,539	7,687	7,578
Main	3,921	4,015	3,915	4,112	4,318	4,106	4,110	4,359	4,366	4,193	4,262	4,211
Thirty-four	1,472	1,472	1,441	1,410	1,365	1,382	1,346	1,374	1,314	1,350	1,277	1,263
D. & B.	566	593	602	578	525	536	526	499	487	474	464	500
Vesta	1,422	1,555	1,515	1,661	1,991	1,686	1,763	1,705	1,836	1,522	1,684	1,604
Torrance Extension Area	871	916	915	914	931	873	895	910	889	895	833	916
WHITTIER	1,078	1,058	1,043	1,084	1,023	1,009	1,033	1,052	1,029	1,088	1,030	1,038
Central Area	957	910	932	937	903	887	917	922	917	955	904	905
La Habra Area	40	46	37	41	44	40	39	46	39	40	44	43
Rideout-Heights Area	81	102	74	106	76	82	77	84	73	93	82	90

CASING PROTECTORS • STABILIZERS • PIPE WIPERS • WIRE LINE GUIDES • WIRE LINE WIPERS • KELLY WIPERS
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LOS ANGELES 1 • HOUSTON 10 • NEW YORK 6

FIELD AND POOL PRODUCTION
CALIFORNIA, 1944, DAILY AVERAGE

LOS ANGELES BASIN—(Continued)	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
WILMINGTON	98,887	100,520	100,643	100,522	101,348	100,506	100,069	100,909	104,303	102,914	99,733	97,184
Fault Block I (Terminal Area)	8,954	8,682	9,109	8,836	8,960	9,364	9,457	9,116	9,505	9,642	9,174	8,911
Ranger-Terminal	6,820	6,603	6,922	6,737	6,908	7,220	7,313	6,799	7,042	6,943	6,803	6,749
Ford	2,134	2,079	2,187	2,099	2,052	2,144	2,144	2,317	2,463	2,699	2,368	2,162
Fault Block II (Terminal Area)	20,281	20,802	20,834	20,729	20,797	20,726	19,183	19,117	20,331	19,993	19,550	18,287
Tar-Ranger	4,089	4,578	4,611	4,916	4,691	4,815	4,720	4,539	4,785	4,821	4,840	4,717
Terminal	14,665	14,690	14,696	14,486	14,506	14,331	13,055	13,182	13,782	13,446	13,040	11,827
Ford	870	870	867	661	935	916	758	693	1,050	1,037	1,026	1,083
U. P.	657	664	660	666	665	664	650	703	714	689	654	660
Fault Block III (Terminal Area)	12,131	12,903	13,387	13,973	14,287	14,072	14,445	14,667	15,279	14,617	14,527	13,963
Ranger	5,566	5,943	6,809	7,307	7,753	7,473	7,740	7,890	7,629	7,484	7,522	7,258
Terminal	6,391	6,785	6,421	6,465	6,380	6,437	6,541	6,613	7,464	6,961	6,828	6,548
Upper	.....	4,869	.....	4,994	4,934	4,976	5,089	5,033	5,609	5,304	5,275	4,987
Lower	.....	1,916	.....	1,471	1,446	1,461	1,452	1,580	1,855	1,657	1,553	1,561
U. P.	174	175	157	201	154	162	164	164	186	172	177	157
Fault Block IV (Harbor Area)	28,309	29,006	28,705	28,155	28,252	27,935	27,948	28,723	29,786	29,363	26,998	26,274
Tar	215	231	238	237	241	236	233	227	220	223	219	213
Terminal	28,094	28,775	28,467	27,918	28,011	27,699	27,715	28,496	29,566	29,140	26,779	26,061
Fault Block V (Harbor Area)—Terminal	3,296	3,003	2,957	2,779	2,693	2,340	2,555	2,467	2,384	2,310	2,202	2,297
Fault Block IV & V (Harbor Area) Ranger	10,160	10,337	10,007	10,282	10,658	10,463	10,719	10,899	11,466	11,852	12,262	12,680
Town Lot Area	15,756	15,787	15,644	15,768	15,701	15,606	15,762	15,920	15,552	15,137	15,010	14,772
Tar, Ranger & Terminal	14,801	14,853	14,708	14,874	14,817	14,782	14,902	15,065	14,682	14,244	14,132	13,912
Ford	955	934	936	894	884	824	860	855	870	893	878	860
OTHER FIELDS	2,064	2,036	1,964	2,031	1,959	2,238	2,047	2,040	2,050	2,027	2,054	1,954
BUENA PARK	91	91	88	83	88	86	63	77	119	155	145	116
CHINO	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
KRAEMER	99	91	88	98	91	91	90	81	87	89	90	92
LAWNDALE	28	26	29	29	28	25	25	31	27	22	28	28
LOS ANGELES DISTRICT	496	499	506	511	501	507	496	512	485	483	508	497
BEVERLY HILLS	116	108	113	110	102	102	102	100	100	115	102	110
LOS ANGELES	163	163	163	163	163	163	163	163	163	163	168	160
SALT LAKE	217	228	230	238	236	242	231	249	222	205	238	227
NEWPORT BEACH	12	13	7	8	6	4	2	.....	10	1	.....	85
PUENTE HILLS	35	34	33	27	34	31	30	52	34	42	31	33
TURNBULL	291	274	256	236	241	241	229	207	221	223	214	206
WESTERN AVENUE	15	7	2	16	7	19	15	11	14	11	29	18
YORBA LINDA	997	1,001	955	1,023	963	1,234	1,097	1,069	1,053	1,001	1,009	879
Shell	716	714	659	717	651	899	809	779	763	712	731	618
Smith	281	287	296	306	312	335	288	290	290	289	278	261
LOS ANGELES BASIN TOTAL:	309,190	314,697	315,254	316,724	316,373	315,398	314,163	315,033	320,797	315,596	312,358	307,029
STATE TOTAL:	809,297	820,484	825,060	830,068	832,015	846,474	849,689	859,189	885,446	877,843	876,986	883,819

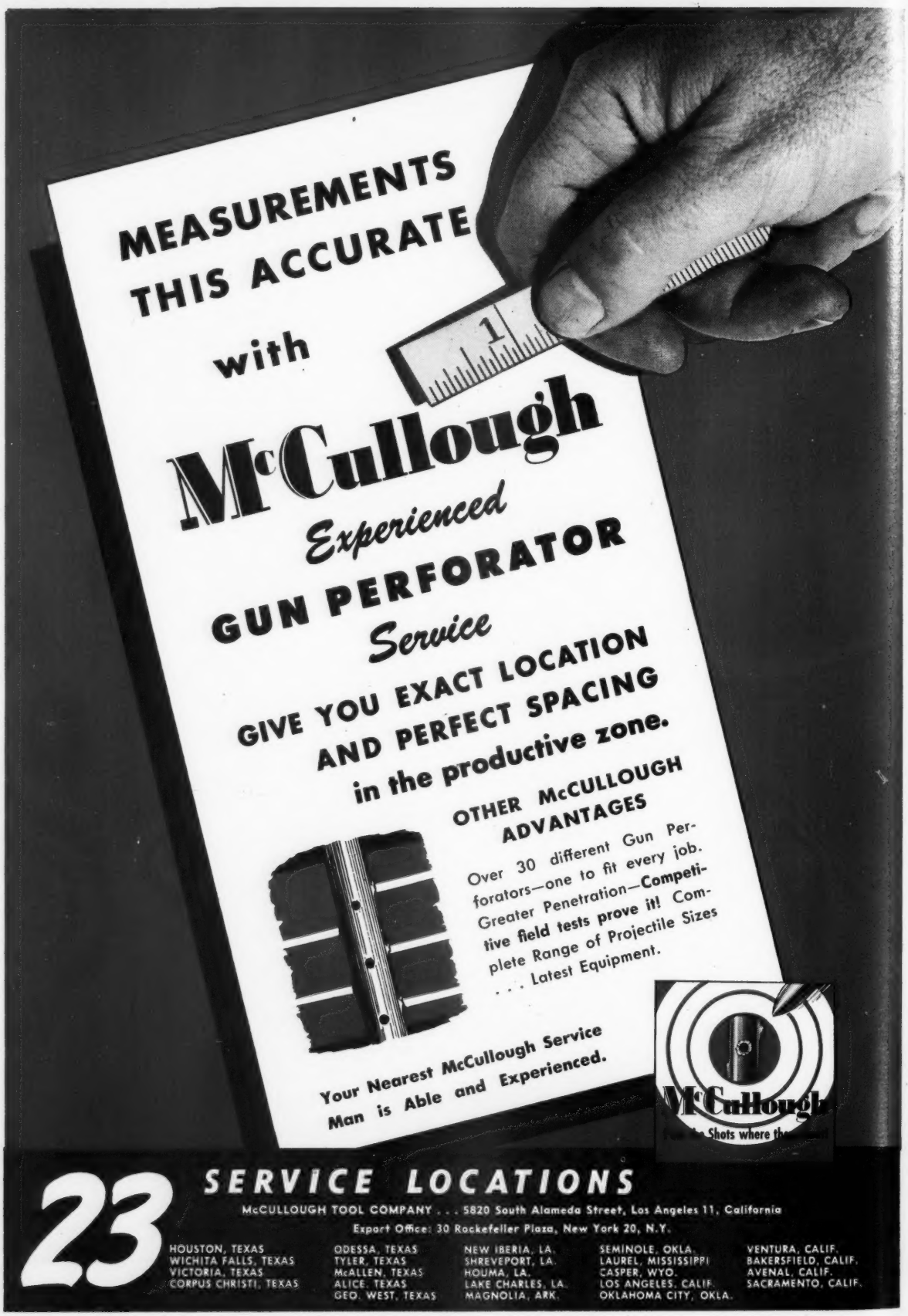
METHOD OF OPERATION
CALIFORNIA FIELDS AND POOLS — DECEMBER, 1944

SAN JOAQUIN VALLEY	Number of Wells						Well Production—Barrels Daily			
			Method of Operation							
	Shut-In	Producing	Flowing	Gas Lift	Pumping	Total Wells	Flowing	Gas Lift	Pumping	Total
BELRIDGE NORTH	51	66	44	18	55	117	5,797	962	203	6,962
Shallow	.....	9	2	...	7	9	17	.....	59	76
Temblor	5	6	1	1	9	11	521	267	144	932
"R" Sand	2	1	1	...	2	3	24	.....	.....	24
Wagon Wheel	43	45	35	17	36	88	4,091	695	.....	4,786
"Y" Sand	1	5	5	...	1	6	1,144	.....	.....	1,144
BELRIDGE SOUTH	28	664	2	3	687	692	35	53	12,183	12,271
South Belridge Area—Shallow	28	662	2	3	685	690	35	53	12,168	12,256
Middle Belridge Area—Shallow	.....	2	.....	...	.....	2	.....	.....	15	15
BUENA VISTA	21	863	44	...	840	884	15,816	.....	13,719	29,535
Buena Vista Front	3	146	.....	...	149	149	.....	.....	3,726	3,726
Buena Vista Hills	18	717	44	...	691	735	15,816	.....	9,993	25,809
Sec. 27	.....	45	44	...	1	45	15,816	.....	119	15,935
Others	18	672	.....	...	690	690	.....	.....	9,874	9,874
CANAL—Stevens	4	35	23	2	14	39	3,127	109	315	3,551
COALINGA EAST	53	888	202	13	726	941	63,311	1,601	22,524	87,436
Main Area	26	670	.....	...	696	696	.....	.....	22,300	22,300
Temblor	26	657	.....	...	683	683	.....	.....	22,200	22,200
Cretaceous	.....	13	.....	...	13	13	.....	.....	100	100
Coalinga Nose Area—Eocene	18	155	142	10	21	173	50,771	1,069	224	52,064
Coalinga Northeast Area—Eocene	9	47	44	3	9	56	9,735	532	.....	10,267
Pleasant Valley Area—Eocene	.....	16	16	...	.....	16	2,805	.....	.....	2,805
COALINGA WEST—Main	53	735	.....	...	788	788	.....	.....	7,830	7,830
COFFEE CANYON	1	61	.....	...	62	62	.....	.....	1,428	1,428
New Area	.....	32	.....	...	32	32	.....	.....	1,026	1,026
Old Area	1	29	.....	...	30	30	.....	.....	402	402
COLES LEVEE NORTH	17	71	69	1	18	88	14,307	25	76	14,408
Northwest Area	.....	1	.....	...	1	1	.....	.....	76	76
Richfield Western Area	17	70	69	1	17	87	14,307	25	.....	14,332
Western	10	61	60	1	10	71	13,064	25	.....	13,089
21-1	7	9	9	...	7	16	1,243	.....	.....	1,243
COLES LEVEE SOUTH	27	27	27	...	27	54	2,626	.....	.....	2,626
EDISON	7	139	.....	...	146	146	.....	.....	3,477	3,477
First Duff	3	73	.....	...	76	76	.....	.....	1,399	1,399
Second Duff	4	64	.....	...	68	68	.....	.....	2,005	2,005
Fairfax Area	.....	2	.....	...	2	2	.....	.....	73	73
ELK HILLS	8	340	3	...	345	348	314	.....	41,832	42,146
Tupman Area	6	336	.....	...	342	342	.....	.....	.....	.....
Hay-Carmen Area	.....	.....	.....	...	.....	.....	.....	.....	.....	.....
Central Area	2	3	2	...	3	5	.....	.....	.....	.....
Upper	.....	.....	.....	...	.....	.....	49	.....	41,770	41,819
Lower	2	3	2	...	3	5	257	.....	62	319
Northwest Area	.....	1	1	...	.....	1	8	.....	.....	8
FRESNO AREA	10	110	100	...	20	120	11,383	.....	182	11,565
BURREL	.....	1	1	...	.....	1	29	.....	6	35
HELM	4	26	25	...	5	30	2,611	.....	.....	2,611
Temblor	1	3	3	...	1	4	365	.....	.....	365
Upper	.....	2	2	...	.....	2	328	.....	.....	328
Lower	1	1	1	...	1	2	37	.....	.....	37
Eocene	3	23	22	...	4	26	2,246	.....	.....	2,246
LANARE	.....	6	2	...	4	6	132	.....	88	220
Miocene	.....	3	2	...	1	3	132	.....	.....	132
Eocene	.....	3	.....	...	3	3	.....	.....	88	88
PANOCHE CREEK	.....	.....	.....	...	.....	.....	.....	.....	.....	.....
RAISIN CITY	1	29	24	...	6	30	3,288	.....	88	3,376
Miocene	1	19	16	...	4	20	1,606	.....	65	1,671
Eocene	.....	10	8	...	2	10	1,682	.....	23	1,705
RIVERDALE	5	48	48	...	5	53	5,323	.....	.....	5,323
Miocene	4	22	22	...	4	26	2,181	.....	.....	2,181
Eocene	1	26	26	...	1	27	3,142	.....	.....	3,142
TURK ANTICLINE	.....	.....	.....	...	.....	.....	.....	.....	.....	.....
FRUITVALE—Martin-Kernco	10	193	3	...	200	203	283	.....	8,177	8,460
GREELEY	1	90	76	...	15	91	13,365	.....	1,048	14,413
Greeley	1	12	.....	...	13	13	.....	.....	894	894
11-2	.....	78	76	...	2	78	13,365	.....	154	13,519
KERN FRONT—All Pools	14	557	.....	...	571	571	.....	.....	8,703	8,703
KERN RIVER—All Pools	89	2,139	.....	...	2,228	2,228	.....	.....	9,638	9,638
KETTLEMAN NORTH DOME	75	278	113	85	155	353	16,948	16,295	7,590	40,833
Temblor	60	219	73	66	140	279	10,506	14,521	7,590	32,617
North	40	127	20	42	105	167	1,738	8,560	6,158	16,456
South	20	92	53	24	35	112	8,768	5,961	1,432	16,161
Vaqueros	.....	33	15	18	.....	33	3,997	1,768	.....	5,765
Eocene	15	26	25	1	15	41	2,445	6	.....	2,451

METHOD OF OPERATION

CALIFORNIA FIELDS AND POOLS—DECEMBER, 1944

SAN JOAQUIN VALLEY—(Con't)	Number of Wells						Well Production—Barrels Daily			
			Method of Operation							
	Shut-In	Producing	Flowing	Gas Lift	Pumping	Total Wells	Flowing	Gas Lift	Pumping	Total
LOST HILLS	6	369	.....	...	375	375	.....	.....	3,409	3,409
Main Area	6	342	.....	...	348	348	.....	.....	3,116	3,116
Williamson Area	.....	27	.....	...	27	27	.....	.....	293	293
McKITTRICK DISTRICT	12	327	.....	...	339	339	.....	.....	4,909	4,909
CYMRIC	2	56	.....	...	58	58	.....	.....	854	854
McKITTRICK	8	225	.....	...	233	233	.....	.....	3,132	3,132
McKITTRICK FRONT	2	34	.....	...	36	36	.....	.....	908	908
Upper	.....	14	.....	...	14	14	.....	.....	195	195
Lower	2	20	.....	...	12	12	.....	.....	713	713
TEMBLOR RANCH	.....	12	.....	...	12	12	.....	.....	15	15
MIDWAY-MARICOPA DISTRICT	91	2,716	.....	...	2,807	2,807	.....	.....	40,435	40,435
Lake View	3	48	.....	...	51	51	.....	.....	3,051	3,051
Gibson	.....	11	.....	...	11	11	.....	.....	215	215
Maricopa Flat	4	46	.....	...	50	50	.....	.....	764	764
Midway East	25	625	.....	...	650	650	.....	.....	10,277	10,277
Midway West	56	1,899	.....	...	1,955	1,955	.....	.....	22,716	22,716
Quality	3	58	.....	...	61	61	.....	.....	1,906	1,906
Republic	.....	23	.....	...	23	23	.....	.....	853	853
Section 6	.....	6	.....	...	6	6	.....	.....	653	653
MOUNT POSO DISTRICT	17	466	.....	...	483	483	.....	.....	20,323	20,323
BAKER	.....	20	.....	...	20	20	.....	.....	364	364
DOMINION	2	36	.....	...	38	38	.....	.....	389	389
DORSEY	.....	34	.....	...	34	34	.....	.....	494	494
DYER CREEK	.....	.....	.....	...	.....	.....	.....	.....	.....	.....
MOUNT POSO—Main Area	1	304	.....	...	305	305	.....	.....	17,293	17,293
NORTH MOUNT POSO	10	60	.....	...	70	70	.....	.....	1,534	1,534
SUNSET	2	8	.....	...	10	10	.....	.....	49	49
VEDDER	2	4	.....	...	6	6	.....	.....	200	200
WEST MOUNT POSO	.....	.....	.....	...	.....	.....	.....	.....	.....	.....
MOUNTAIN VIEW	13	149	.....	...	162	162	.....	.....	3,004	3,004
Northwest Area	5	59	.....	...	64	64	.....	.....	682	682
Southeast Area	7	73	.....	...	80	80	.....	.....	2,086	2,086
Earl Fruit Area	1	6	.....	...	7	7	.....	.....	72	72
Arvin Area	.....	11	.....	...	11	11	.....	.....	164	164
PALOMA	10	15	15	...	10	25	6,388	.....	.....	6,388
Paloma	9	14	14	...	9	23	6,295	.....	.....	6,295
Symons	1	1	1	...	1	2	93	.....	.....	93
POSO CREEK DISTRICT	11	182	.....	...	193	193	.....	.....	4,212	4,212
McVAN	5	9	.....	...	14	14	.....	.....	58	58
PREMIER	6	169	.....	...	175	175	.....	.....	3,857	3,857
PREMIER EAST AREA	.....	4	.....	...	4	4	.....	.....	297	297
RIO BRAVO	4	97	93	2	6	101	15,360	646	128	16,134
Rio Bravo—Vedder	.....	.....	.....	...	.....	.....	.....	.....	.....	.....
ROUND MOUNTAIN DISTRICT	4	234	.....	...	238	238	.....	.....	8,304	8,304
Main Area	.....	139	.....	...	139	139	.....	.....	5,857	5,857
Jewett	.....	43	.....	...	43	43	.....	.....	813	813
Vedder	.....	96	.....	...	96	96	.....	.....	5,044	5,044
Northwest Area—Vedder	1	42	.....	...	43	43	.....	.....	1,128	1,128
Pyramid Area—Vedder	2	46	.....	...	48	48	.....	.....	1,001	1,001
West Area—Vedder	1	7	.....	...	8	8	.....	.....	318	318
STRAND	.....	16	10	1	5	16	1,383	79	306	1,768
Stevens	.....	16	10	1	5	16	1,383	79	306	1,768
Upper	.....	9	3	1	5	9	621	79	.....	700
Lower	.....	7	7	...	.....	7	762	.....	306	1,068
STRAND—EAST	.....	6	6	...	.....	6	699	.....	.....	699
TEN SECTION—Stevens	5	118	113	...	10	123	11,767	.....	254	12,021
WASCO	.....	13	6	...	7	13	1,600	.....	403	2,003
Shale	.....	1	1	...	1	29	1	.....	.....	1
Vedder	.....	12	5	...	7	12	1,599	.....	403	2,002
WHEELER RIDGE—All Pools	.....	34	.....	...	34	34	.....	.....	246	246
WILLIAMS—Williams	2	26	1	...	27	28	143	.....	1,622	1,765
OTHER FIELDS	17	75	15	...	77	92	1,920	.....	1,534	3,454
ANT HILL	.....	3	.....	...	3	3	.....	.....	173	173
ANTELOPE PLAINS	.....	1	.....	...	1	1	.....	.....	30	30
ARVIN	.....	2	.....	...	2	2	.....	.....	27	27
BELLEVUE	.....	3	3	...	.....	3	663	.....	.....	663
BLACKWELLS CORNER	6	13	.....	...	19	19	.....	.....	68	68
CANFIELD RANCH	.....	3	1	...	2	3	25	.....	39	64
CHICO MARTINEZ	4	.....	.....	...	4	4	.....	.....	17	17
DEVIL'S DEN	3	.....	.....	...	3	3	.....	.....	.....	.....
GOULD HILLS	1	.....	.....	...	1	1	.....	.....	.....	.....
JACALITOS ANTICLINE	.....	16	7	...	9	16	776	.....	315	1,091
GRAPEVINE	.....	.....	.....	...	.....	.....	.....	.....	.....	.....
KERN BLUFF	.....	.....	.....	...	.....	.....	.....	.....	.....	.....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BAKERSFIELD, CALIF.
AVENAL, CALIF.
SACRAMENTO, CALIF.

METHOD OF OPERATION
CALIFORNIA FIELDS AND POOLS — DECEMBER, 1944

SAN JOAQUIN VALLEY—(Con't)	Number of Wells						Well Production—Barrels Daily			
			Method of Operation							
	Shut-In	Producing	Flowing	Gas Lift	Pumping	Total Wells	Flowing	Gas Lift	Pumping	Total
McCLUNG	.....	2	.....	...	2	2	.....	.....	113	113
PYRAMID HILLS	.....	18	.....	...	18	18	.....	.....	434	434
QUINN RANCH	1	.....	.....	...	1	1	.....	.....	.....	.....
RACETRACK HILL	.....	2	2	...	.....	2	71	.....	1	72
SHAFTER	.....	1	.....	...	1	1	.....	.....	3	3
SHEEP SPRINGS	.....	2	2	...	.....	2	385	.....	.....	385
TEJON RANCH	.....	6	.....	...	6	6	.....	.....	250	250
TERRA BELLA	.....	.....	.....	...	.....	.....	.....	.....	.....	.....
UNION AVENUE	2	3	.....	...	5	5	.....	.....	64	64
SAN JOAQUIN VALLEY TOTAL:	661	12,099	965	125	11,670	12,760	186,572	19,770	228,014	434,356
COASTAL										
Santa Barbara District	8	129	1	2	133	136	41	587	7,615	8,243
CAPITAN	3	50	.....	...	53	53	.....	.....	2,475	2,475
Vaqueros	.....	35	.....	...	35	35	.....	.....	2,366	2,366
Sespe	3	15	.....	...	18	18	.....	.....	109	109
ELWOOD	4	62	1	2	63	66	41	587	5,060	5,688
Vaqueros	1	56	1	2	54	57	41	587	4,955	5,583
Sespe	3	6	.....	...	9	9	.....	.....	105	105
SANTA BARBARA—Vaqueros	1	15	.....	...	16	16	.....	.....	78	78
SUMMERLAND—All Pools	.....	1	.....	...	1	1	.....	.....	2	2
Santa Maria District	32	673	54	...	651	705	10,778	.....	45,168	55,946
BRADLEY CANYON	.....	1	.....	...	1	1	.....	.....	108	108
CAREAGA FIELD	1	.....	.....	...	.....	1	.....	.....	.....	.....
CASMALIA—All Pools	2	17	.....	...	19	19	.....	.....	566	566
CAT CANYON	7	58	12	...	53	65	2,420	.....	5,260	7,680
East	.....	9	.....	...	9	9	.....	.....	767	767
West	7	21	.....	...	28	28	.....	.....	1,271	1,271
Las Flores	.....	28	12	...	16	28	2,420	.....	3,222	5,642
GATO RIDGE—Tognazzini	2	29	.....	...	31	31	.....	.....	4,786	4,786
LOMPOC—All Pools	1	30	.....	...	31	31	.....	.....	1,832	1,832
ORCUTT—All Pools	8	199	.....	...	207	207	.....	.....	3,844	3,844
SANTA MARIA VALLEY	11	340	42	...	309	351	8,358	.....	28,772	37,130
Ventura District	47	633	264	112	304	680	42,445	8,647	10,221	61,313
PADRE CANYON—All Pools	1	24	8	...	17	25	1,327	.....	573	1,900
RINCON	8	85	15	2	76	93	2,058	127	2,626	4,811
Hobson-Tomson-Miley	8	83	14	2	75	91	1,994	127	2,581	4,702
Deep	.....	2	1	...	1	2	64	.....	45	109
SAN MIGUELITO	3	31	29	...	5	34	5,828	.....	51	5,879
Grubb One	3	27	25	...	5	30	4,595	.....	51	4,646
Grubb Two	.....	4	4	...	.....	4	1,233	.....	.....	1,233
VENTURA AVENUE	35	485	213	110	197	520	33,232	8,520	6,966	48,718
Shallow	28	332	91	85	184	360	8,732	7,024	6,691	22,447
A-3; B-3	4	30	16	4	14	34	1,254	433	341	2,028
B-1, 2	1	1	.....	...	.....	2	.....	.....	105	105
B-4; B-5	.....	11	11	...	.....	11	1,758	.....	.....	1,758
C-1, 2 West	1	3	1	2	1	4	109	403	.....	512
C-3 West	9	27	24	3	9	36	2,738	482	.....	3,220
C-6 West	.....	2	2	...	2	2	340	.....	.....	340
"C" Block	13	258	37	76	158	271	2,533	5,706	6,245	14,484
Deep	7	153	121	25	14	160	24,500	1,496	275	26,271
D-3	1	18	8	8	3	19	787	407	41	1,235
D-4	.....	5	.....	4	1	5	.....	210	48	258
D-5 West	1	44	39	2	4	45	5,451	142	186	5,779
D-5, 6 East	4	54	46	8	4	58	8,181	587	.....	8,768
D-6 West	1	21	18	3	1	22	2,896	150	.....	3,046
D-7	.....	11	11	...	.....	11	7,185	.....	.....	7,185
VENTURA-OJAI										
TIPTOP-FRESNO CANYON	.....	8	.....	...	8	8	.....	.....	5	5
Santa Paula-Newhall District	55	620	70	1	604	675	9,248	97	7,444	16,789
FILLMORE	15	185	.....	...	200	200	.....	.....	2,360	2,360
BARDSDALE	.....	29	.....	...	29	29	.....	.....	279	279
Elkins Area	.....	1	.....	...	1	1	.....	.....	13	13
Other Areas	.....	28	.....	...	28	28	.....	.....	266	266
SESPE CANYON	6	20	.....	...	26	26	.....	.....	171	171
SHIELLS CANYON	9	135	.....	...	144	144	.....	.....	1,894	1,894
TOPA-TOPA	.....	1	.....	...	1	1	.....	.....	16	16
NEWHALL	22	97	70	1	48	119	9,248	97	789	10,134
DEL VALLE	.....	36	27	1	8	36	3,916	97	377	4,390
East	.....	12	11	...	1	12	1,501	.....	49	1,550

METHOD OF OPERATION

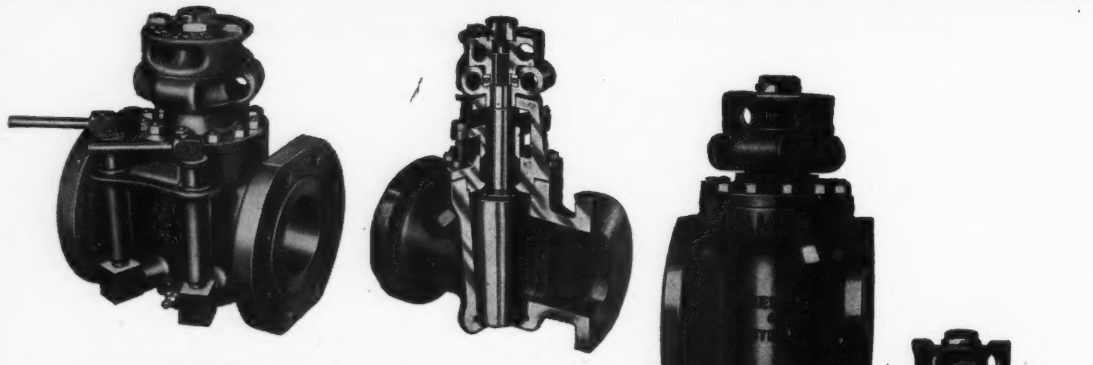
CALIFORNIA FIELDS AND POOLS — DECEMBER, 1944

COASTAL—(Continued)	Number of Wells						Well Production—Barrels Daily			
	Shut-In	Producing	Method of Operation: Flowing	Gas Lift	Pumping	Total Wells	Flowing	Gas Lift	Pumping	Total
DL4-DL5	.....	1	1	...	.....	1	9	.....	.....	9
Sherman	.....	6	5	...	1	6	628	.....	49	677
Del Valle	.....	2	2	...	.....	2	536	.....	.....	536
Bering	.....	3	3	...	.....	3	328	.....	.....	328
West	.....	24	16	1	7	24	2,415	97	328	2,840
Others	.....	1	.....	...	1	1	.....	.....	27	27
Sterry	.....	2	.....	...	2	2	.....	.....	.....	.....
Sepulveda	.....	4	2	1	1	4	156	97	62	315
Vasquez-Videgain	.....	17	14	...	3	17	2,259	.....	239	2,498
ELSMERE CANYON	.....	.....	.....	...	.....	.....	.....	.....	.....	.....
NEWHALL	13	8	.....	...	21	21	.....	.....	43	43
NEWHALL-POTRERO	9	37	36	...	10	46	4,425	.....	26	4,451
OAK CANYON	.....	12	7	...	5	12	907	.....	338	1,245
Wickham	.....	3	.....	...	3	3	.....	.....	48	48
Gilmour	.....	1	.....	...	1	1	.....	.....	277	277
Lechler	.....	7	7	...	.....	7	907	.....	.....	907
Newhall Weaver	.....	1	.....	...	1	1	.....	.....	13	13
PICO CANYON	.....	.....	.....	...	.....	.....	.....	.....	.....	.....
WILEY-TOWSLEY-CANYON	.....	4	.....	...	4	4	.....	.....	5	5
PIRU	12	81	.....	...	93	93	.....	.....	1,050	1,050
HOLSER CANYON	.....	1	.....	...	1	1	.....	.....	13	13
HOPPER CANYON	5	4	.....	...	9	9	.....	.....	59	59
MODELO	6	7	.....	...	13	13	.....	.....	1	1
TAPO-EUREKA	.....	10	.....	...	10	10	.....	.....	3	3
TEMESCAL	1	21	.....	...	22	22	.....	.....	837	837
TORREY CANYON	.....	38	.....	...	38	38	.....	.....	137	137
SANTA PAULA	6	198	.....	...	204	204	.....	.....	1,925	1,925
EX-MISSION	3	22	.....	...	25	25	.....	.....	28	28
SISAR-SILVERTHREAD	3	68	.....	...	71	71	.....	.....	125	125
SOUTH MOUNTAIN	.....	100	.....	...	100	100	.....	.....	1,747	1,747
SULPHUR MOUNTAIN	.....	.....	.....	...	.....	.....	.....	.....	.....	.....
TIMBER CANYON	.....	8	.....	...	8	8	.....	.....	25	25
SIMI-CONEJO-OXNARD	.....	59	.....	...	59	59	.....	.....	1,321	1,321
CONEJO	.....	.....	.....	...	.....	.....	.....	.....	.....	.....
OXNARD	.....	5	.....	...	5	5	.....	.....	1,250	1,250
SIMI	.....	54	.....	...	54	54	.....	.....	71	71
Other Coastal Counties	1	24	.....	...	25	25	.....	.....	147	147
SAN LUIS OBISPO	.....	15	.....	...	15	15	.....	.....	125	125
EDNA	.....	12	.....	...	12	12	.....	.....	81	81
HUASNA	.....	.....	.....	...	.....	.....	.....	.....	.....	.....
PISMO	.....	3	.....	...	3	3	.....	.....	44	44
Martin	.....	2	.....	...	2	2	.....	.....	26	26
East Alberta	.....	1	.....	...	1	1	.....	.....	18	18
SAN MATEO	.....	.....	.....	...	.....	.....	.....	.....	.....	.....
HALF MOON BAY	.....	.....	.....	...	.....	.....	.....	.....	.....	.....
SANTA CLARA	1	9	.....	...	10	10	.....	.....	22	22
LOS GATOS	1	.....	.....	...	1	1	.....	.....	.....	.....
SARGENT	.....	9	.....	...	9	9	.....	.....	22	22
COASTAL TOTAL:	143	2,079	390	115	1,717	2,222	62,512	9,331	70,595	142,438
LOS ANGELES BASIN										
ALAMITOS HEIGHTS—All Pools	.....	36	1	...	35	36	22	.....	651	673
ALISO CANYON	5	27	11	11	10	32	1,927	1,290	306	3,523
Porter	4	14	1	11	6	18	47	1,290	163	1,500
Sesnon	1	12	10	...	3	13	1,880	.....	.....	1,880
Faulted Sesnon	.....	.....	.....	...	.....	.....	.....	.....	55	55
Eocene	.....	1	.....	...	1	1	.....	.....	88	88
BREA-OLINDA DISTRICT	22	358	1	4	375	380	225	495	11,130	11,850
BREA	1	102	.....	...	103	103	.....	.....	5,196	5,196
OLINDA	21	227	1	...	247	248	225	.....	3,817	4,042
TONNER	.....	29	.....	4	25	29	.....	495	2,117	2,612
COYOTE EAST	1	156	.....	...	157	157	.....	.....	5,369	5,369
Graham-Loftus-Hualde	1	104	.....	...	105	105	.....	.....	2,500	2,500
Mathis	.....	32	.....	...	32	32	.....	.....	1,407	1,407
Stern	.....	20	.....	...	20	20	.....	.....	1,462	1,462
COYOTE WEST	5	174	29	...	150	179	3,587	.....	8,587	12,174
Murphy	2	88	1	...	89	90	294	.....	3,800	4,094
Ninety-nine	.....	31	.....	...	31	31	.....	.....	2,639	2,639
Emery	3	52	27	...	28	55	2,984	.....	1,806	4,790
East	.....	22	16	...	6	22	2,114	.....	555	2,669
West	3	30	11	...	22	33	870	.....	1,251	2,121
McNally	.....	1	.....	...	1	1	.....	.....	35	35
Lower Ninety-nine	.....	2	1	...	1	2	309	.....	307	616

METHOD OF OPERATION

CALIFORNIA FIELDS AND POOLS — DECEMBER, 1944

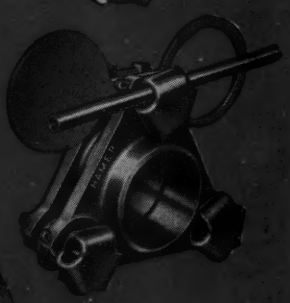
LOS ANGELES BASIN	Number of Wells						Well Production—Barrels Daily			
			Method of Operation							
	Shut-In	Producing	Flowing	Gas Lift	Pumping	Total Wells	Flowing	Gas Lift	Pumping	Total
DOMINGUEZ	6	308	13	57	244	314	1,852	3,366	14,648	19,866
Pliocene	2	206	6	11	191	208	1,364	1,070	12,327	14,761
5th West Block	.....	4	4	...	.....	4	747	.....	.....	747
Others	2	202	2	11	191	204	617	1,070	12,327	14,014
Miocene	4	102	5	43	58	106	486	2,297	2,322	5,105
7th Central Block	1	15	1	7	8	16	38	177	434	649
8th Central Block	1	20	1	12	8	21	97	607	386	1,090
South Central Block	.....	16	1	7	8	16	58	396	343	797
South-West Block	.....	5	.....	2	3	5	1	70	78	149
West Block	.....	34	2	15	17	34	292	1,047	760	2,099
West Town Lot Block	2	12	.....	...	14	14	.....	.....	321	321
EL SEGUNDO	2	34	.....	...	36	36	.....	.....	804	804
West Area	.....	1	.....	...	1	1	.....	.....	42	42
Others	2	33	.....	...	35	35	.....	.....	762	762
HUNTINGTON BEACH NEW	16	354	35	...	335	370	8,326	.....	22,862	31,188
On-Shore	13	177	.....	...	190	190	.....	.....	4,054	4,054
Tar Zone	9	42	.....	...	51	51	.....	.....	582	582
Main Area	3	108	.....	...	111	111	.....	.....	2,217	2,217
A-37 Area	1	27	.....	...	28	28	.....	.....	1,255	1,255
Off-Shore	3	177	.....	...	180	180	8,326	.....	18,808	27,134
Main	3	135	.....	...	138	138	.....	.....	17,212	17,212
Jones	.....	42	35	...	42	42	8,326	.....	1,596	9,922
HUNTINGTON BEACH OLD	20	455	14	...	461	475	1,217	.....	14,955	16,172
Bolsa Area	2	75	14	...	63	77	1,217	.....	5,880	7,097
Tar Bolsa	.....	8	1	...	7	8	110	.....	765	875
Ashton	2	67	13	...	56	69	1,107	.....	5,115	6,222
Upper	2	30	3	...	29	32	556	.....	3,017	3,573
Lower	.....	37	10	...	27	37	551	.....	2,098	2,649
Other Areas	18	380	.....	...	398	398	.....	.....	9,075	9,075
Tar Bolsa	1	50	.....	...	51	51	.....	.....	1,433	1,433
Ashton	17	330	.....	...	347	347	.....	.....	7,642	7,642
INGLEWOOD	5	304	19	...	290	309	1,438	.....	15,231	16,669
Vickers-Machado	3	222	.....	...	225	225	.....	.....	8,455	8,455
Rindge	.....	33	.....	...	33	33	.....	.....	3,275	3,275
Rubel	.....	23	1	...	22	23	185	.....	3,241	3,426
Moynier	.....	.....	.....	...	.....	.....	.....	.....	.....	.....
Sentous	2	26	18	...	10	28	1,253	.....	260	1,513
LONG BEACH	44	1,152	.....	...	1,196	1,196	.....	.....	27,947	27,947
Old Area	43	1,133	.....	...	1,176	1,176	.....	.....	27,480	27,480
Upper	43	1,128	.....	...	1,171	1,171	.....	.....	27,203	27,203
De Soto	.....	5	.....	...	5	5	.....	.....	277	277
Northwest Extension Area	1	19	.....	...	20	20	.....	.....	467	467
MONTEBELLO	17	347	1	20	343	364	142	315	10,065	10,522
Main Area	.....	.....	.....	...	.....	.....	.....	.....	.....	.....
Baldwin One-Two-Three	2	224	.....	1	225	226	.....	9	7,469	7,478
East Area	1	16	.....	...	17	17	.....	.....	269	269
Cruz	.....	1	.....	...	1	1	.....	.....	10	10
Nutt	1	15	.....	...	16	16	.....	.....	259	259
West Area	14	107	1	19	101	121	142	306	2,327	2,775
Fifth Zone	.....	10	.....	...	10	10	.....	.....	228	228
Sixth Zone	2	3	.....	...	5	5	.....	.....	178	178
Masser Zone	.....	11	.....	...	11	11	.....	.....	774	774
Seventh Zone	1	9	.....	...	10	10	.....	.....	323	323
Eighth Zone	11	73	.....	19	65	84	.....	306	824	1,130
Ninth Zone	.....	1	1	...	.....	1	142	.....	.....	142
PLAYA DEL REY	3	122	.....	...	125	125	.....	.....	2,533	2,533
Del Rey Hills Area	2	15	.....	...	17	17	.....	.....	718	718
Venice Area	1	107	.....	...	108	108	.....	.....	1,815	1,815
POTRERO	1	25	6	9	11	26	354	484	91	929
Central Area	.....	11	2	9	.....	11	145	484	.....	629
East Area	1	9	4	...	6	10	209	.....	45	254
Potrero No. 2	.....	1	1	...	.....	1	121	.....	.....	121
Others	1	8	3	...	6	9	88	.....	45	133
West Area	.....	5	.....	...	5	5	.....	.....	46	46
RICHFIELD	6	304	.....	...	310	310	.....	.....	6,544	6,544
East Area	4	230	.....	...	234	234	.....	.....	3,319	3,319
West Area	2	74	.....	...	76	76	.....	.....	3,225	3,225
ROSECRANS-ATHENS	17	177	12	44	138	194	1,232	1,295	3,418	5,945
Rosecrans Area	15	133	9	43	96	148	.....	.....	4,587	4,587
Maxwell-Hoge	2	20	.....	4	18	22	.....	191	324	515
Zinns	7	20	2	10	15	27	173	232	203	608
Miocene	6	93	7	29	63	99	.....	.....	.....	3,464
Banks Block	.....	1	1	...	.....	1	457	.....	.....	457
Seventh	6	80	2	29	55	86	45	781	1,341	2,167



HAMER PLUG VALVES

Positive and Permanent closing under all conditions

HAMER has the PLUG VALVES and LINE BLINDS for all Refinery Service



HAMER LINE BLINDS

POSITIVE SHUT-OFF BY ONE MAN IN ONE MINUTE

HAMER OIL TOOL COMPANY

2919 GARDENIA AVENUE
LONG BEACH 7, CALIFORNIA

METHOD OF OPERATION

CALIFORNIA FIELDS AND POOLS — DECEMBER, 1944

LOS ANGELES BASIN—(Continued)	Number of Wells						Well Production—Barrels Daily			
			Method of Operation							
	Shut-In	Producing	Flowing	Gas Lift	Pumping	Total Wells	Flowing	Gas Lift	Pumping	Total
Eighth	.....	12	4	...	8	12	318	.....	522	840
Athens Area	2	44	3	1	42	46	239	91	1,028	1,358
Upper	1	12	.....	...	13	13	.....	.....	327	327
Lower	1	27	3	...	25	28	239	.....	537	776
Miocene	.....	5	.....	1	4	5	.....	91	164	255
SANTA FE SPRINGS—All Pools	18	556	.....	10	564	574	.....	740	17,606	18,346
SEAL BEACH	.....	106	7	10	89	106	1,544	924	4,799	7,267
Bixby-Selover	.....	27	.....	3	24	27	132	.....	1,426	1,558
Wasem	.....	51	2	6	43	51	281	821	2,276	3,378
McGrath	.....	28	5	1	22	28	1,131	103	1,097	2,331
TORRANCE-HERMOSA	39	684	.....	...	723	723	.....	.....	8,566	8,566
Hermosa Area	.....	6	.....	...	6	6	.....	.....	72	72
Torrance Area	38	627	.....	...	665	665	.....	.....	7,578	7,578
Main	15	384	.....	...	399	399	.....	.....	4,211	4,211
Thirty-four	15	153	.....	...	168	168	.....	.....	1,263	1,263
D. & B.	5	37	.....	...	42	42	.....	.....	500	500
Vesta	3	53	.....	...	56	56	.....	.....	1,604	1,604
Torrance Extension Area	1	51	.....	...	52	52	.....	.....	916	916
WHITTIER	7	160	.....	...	167	167	.....	.....	1,037	1,037
Central Area	2	146	.....	...	148	148	.....	.....	905	905
La Habra Area	5	3	.....	...	8	8	.....	.....	43	43
Rideout-Heights Area	.....	11	.....	...	11	11	.....	.....	89	89
WILMINGTON	39	1,296	281	...	1,054	1,335	42,818	.....	54,366	97,184
Fault Block I (Terminal Area)	4	95	19	...	80	99	2,645	.....	6,266	8,911
Ranger-Terminal	4	74	3	...	75	78	673	.....	6,076	6,749
Ford	.....	21	16	...	5	21	1,972	.....	190	2,162
Fault Block II (Terminal Area)	8	164	88	...	84	172	12,707	.....	5,580	18,287
Tar-Ranger	4	63	9	...	58	67	985	.....	3,732	4,717
Terminal	4	83	61	...	26	87	9,979	.....	1,848	11,827
Ford	.....	14	14	...	.....	14	1,083	.....	.....	1,083
U. P.	.....	4	4	...	.....	4	660	.....	.....	660
Fault Block III (Terminal Area)	3	115	64	...	54	118	9,777	.....	4,186	13,963
Ranger	2	75	27	...	50	77	3,713	.....	3,545	7,258
Terminal	1	39	36	...	4	40	5,907	.....	641	6,548
Upper	1	25	23	...	3	26	4,549	.....	438	4,987
Lower	.....	14	13	...	1	14	1,358	.....	203	1,561
U. P.	.....	1	1	...	.....	1	157	.....	.....	157
Fault Block IV (Harbor Area)	5	187	84	...	108	192	12,962	.....	13,312	26,274
Tar	.....	2	1	...	1	2	87	.....	126	213
Terminal	5	185	83	...	107	190	12,875	.....	13,186	26,061
Fault Block V (Harbor Area)—Terminal	1	19	5	...	15	20	904	.....	1,393	2,297
Fault Block IV & V (Harbor Area)—Ranger	4	247	21	...	230	251	3,823	.....	8,857	12,680
Town Lot Area	14	469	.....	...	483	483	.....	.....	14,772	14,772
Tar, Ranger & Terminal	13	440	.....	...	453	453	.....	.....	13,912	13,912
Ford	1	29	.....	...	30	30	.....	.....	860	860
OTHER FIELDS	18	163	.....	...	181	181	.....	.....	1,945	1,945
BUENA PARK	.....	2	.....	...	2	2	.....	.....	.....	116
CHINO	.....	.....	.....	...	.....	.....	.....	.....	.....	.....
KRAEMER	.....	10	.....	...	10	10	.....	.....	.....	92
LAWNDALE	.....	4	.....	...	4	4	.....	.....	.....	28
LOS ANGELES DISTRICT	.....	91	.....	...	91	91	.....	.....	.....	488
BEVERLY HILLS	.....	2	.....	...	2	2	.....	.....	.....	101
LOS ANGELES	.....	82	.....	...	82	82	.....	.....	.....	160
SALT LAKE	.....	7	.....	...	7	7	.....	.....	.....	227
NEWPORT BEACH	.....	2	.....	...	2	2	.....	.....	.....	85
PUENTE HILLS	13	18	.....	...	31	31	.....	.....	.....	33
TURNBULL	.....	7	.....	...	7	7	.....	.....	.....	206
WESTERN AVENUE	.....	2	.....	...	2	2	.....	.....	.....	18
YORBA LINDA	5	27	.....	...	32	32	.....	.....	.....	879
Shell	.....	13	.....	...	13	13	.....	.....	.....	618
Smith	5	14	.....	...	19	19	.....	.....	.....	261
LOS ANGELES BASIN TOTAL:	291	7,298	430	165	6,994	7,589	64,684	8,909	233,460	307,053
STATE TOTAL:	1,095	21,476	1,785	405	20,381	22,571	313,768	38,010	532,069	883,847

PERCENTAGE OF WATER PRODUCTION—JUNE 1944 & DECEMBER, 1944

SAN JOAQUIN VALLEY	Oil Bbls.	Water Bbls.	June 1944	Dec. 1944	Increase
BELRIDGE NORTH	216,033	87,492	41.8	28.8	13.0*
Shallow	2,109	5,289	63.7	71.5	7.8
Temblor	28,902	56,483	73.9	66.2	7.7*
"R" Sand	730	45	3.1	5.8	2.7
Wagon Wheel	148,810	25,451	33.8	14.6	19.2*
"Y" Sand	35,482	224	.8	.6	.2*
BELRIDGE SOUTH	381,594	140,732	30.8	26.9	3.9*
South Belridge Area—Shallow	381,119	139,728	29.7	26.8	2.9*
Middle Belridge Area—Shallow	475	1,004	68.0	67.9	.1*
BUENA VISTA	915,646	532,961	54.0	36.8	17.2*
Buena Vista Front	115,520	157,275	48.6	57.7	9.1
Buena Vista Hills	.....	.....	.....	.....	.....
Sec. 27	493,994	8,498	.6	1.7	1.1
Others	306,132	367,188	64.5	54.5	10.0*
CANAL—Stevens	110,092	17,787	13.8	13.9	.1
COALINGA EAST	2,710,733	796,479	16.1	22.7	6.6
Main Area	691,151	261,312	27.0	27.4	.4
Temblor	688,211	260,510	27.0	27.5	.5
Cretaceous	2,940	802	31.6	21.4	10.2*
Coalinga Nose Area—Eocene	1,613,970	197,642	7.1	10.9	3.8
Coalinga Northeast Area—Eocene	318,285	333,274	34.3	51.1	16.8
Pleasant Valley Area—Eocene	87,327	4,251	6.9	4.6	2.3*
COALINGA WEST—Main	241,856	547,768	65.5	69.4	3.9
COFFEE CANYON	44,390	1,146,684	94.1	96.3	2.2
New Area	31,879	727,352	93.4	95.8	2.4
Old Area	12,511	419,332	95.3	97.1	1.8
COLES LEVEE NORTH	446,643	8,126	2.1	1.8	.3*
Northwest Area	2,367	.....	.....	.....	.....
Richfield Western Area	444,276	8,126	2.0	1.8	.2*
Western	405,757	6,431	1.9	1.6	.3*
21-1	38,519	1,695	3.3	4.2	.9
COLES LEVEE SOUTH	81,405	2,902	3.5	3.4	.1*
EDISON	107,458	77,643	48.1	41.9	6.2*
First Duff	43,727	24,138	51.4	35.6	15.8*
Second Duff	61,484	52,957	45.2	46.3	1.1
Fairfax Area	2,247	548	....	19.6	.....
ELK HILLS	1,306,562	566,780	48.1	30.3	17.8*
Northwest Area	248	22	....	8.2	.....
Central Area	1,306,314	566,758	4.2	30.3	26.1
Upper	1,296,418	566,655	4.2	30.4	26.2
Lower	9,896	103	....	1.0	1.0
FRESNO AREA	359,143	69,615	13.2	16.2	3.0
BURREL	1,305	179	....	12.1	12.1
HELM	81,210	4,128	10.6	4.9	5.7*
Temblor	11,333	2,484	29.7	18.0	11.7*
Upper	10,170	2,484	39.2	19.6	19.6*
Lower	1,163	.....	1.4	....	1.4*
Eocene	69,877	1,644	6.8	2.3	4.5*
LANARE	6,815	216	.1	3.1	3.0
Miocene	4,102	211	....	4.9	4.9
Eocene	2,713	5	.3	.2	.1*
PANOCHE CREEK	.....	.....	.....	.....	.....
RAISIN CITY	104,074	43,039	17.1	2.9	14.2*
Miocene	62,047	23,977	17.3	27.9	10.6
Eocene	42,027	19,062	16.9	31.2	14.3
RIVERDALE	165,739	22,053	13.5	11.7	1.8*
Miocene	67,872	14,624	17.6	17.7	.1
Eocene	97,867	7,429	7.8	7.1	.7*
TURK ANTICLINE	.....	.....	.....	.....	.....
FRUITVALE—Martin-Kern	267,381	183,840	42.2	40.7	1.5*
GREELEY	446,795	89,853	15.8	16.7	.9
Greeley	27,701	65,482	73.9	70.3	3.6*
11-2	419,094	24,371	4.9	5.5	.6
KERN FRONT—All Pools	272,827	485,026	61.6	64.0	2.4
KERN RIVER—All Pools	298,758	5,801,929	95.3	95.1	.2*
KETTLEMAN NORTH DOME	1,265,825	599,099	34.1	32.1	2.0*
Temblor	1,011,115	578,099	37.7	36.4	1.3*
North	510,117	466,290	50.8	47.8	3.0*
South	500,998	111,809	18.6	18.2	.4*
Vaqueros	178,727	10,569	5.6	5.6	.....
Eocene	75,983	10,431	11.1	12.1	1.0
LOST HILLS	106,141	637,363	83.3	85.8	2.5
Main Area	97,067	530,596	81.7	84.5	2.8
Williamson Area	9,074	106,767	90.8	92.2	1.4
McKITTRICK DISTRICT	154,316	791,837	89.0	83.7	5.3*
CYMRIC	26,923	81,594	78.2	75.2	3.0*
McKITTRICK	97,956	631,891	92.9	86.6	6.3*
McKITTRICK FRONT	28,927	52,852	63.9	64.6	.7
Upper	6,153	3,637	48.9	37.1	11.8*
Lower	22,774	49,215	65.2	68.4	3.2
TEMBLOR RANCH	510	25,500	97.7	98.0	.3
MIDWAY-MARICOPA DISTRICT	1,262,942	2,139,976	62.5	62.9	.4
Lake View	97,726	8,232	7.3	7.8	.5
Gibson	8,041	20,480	78.9	71.8	7.1*
Maricopa Flat	25,136	96,797	79.8	79.4	.4*
Midway East	337,275	467,709	56.0	58.1	2.1
Midway West	692,885	1,129,789	63.0	62.0	1.0*
Quality	59,421	293,732	81.4	83.2	1.8
Republic	22,215	115,079	82.7	83.8	1.1
Section 6	20,243	8,158	16.3	28.7	12.4
MOUNT POSO DISTRICT	633,243	6,933,396	85.5	91.6	6.1
BAKER	11,515	181,746	92.2	94.0	1.8
DOMINION	12,537	98,781	87.6	88.7	1.1
DORSEY	14,401	161,923	89.4	91.8	2.4
DYER CREEK	.....	.....	.....	.....	.....
MOUNT POSO—Main Area	539,393	6,393,890	85.8	87.3	1.5
NORTH MOUNT POSO	47,593	90,706	67.1	65.6	1.5*
SUNSET	1,538	4,528	72.5	74.6	2.1
VEDDER	6,266	1,822	....	22.5	.....
WEST MOUNT POSO	.....	.....	.....	.....	.....
MOUNTAIN VIEW	92,062	136,125	58.2	59.7	1.5
Northwest Area	21,410	49,869	68.6	69.6	1.0
Southeast Area	63,310	78,879	53.1	55.5	2.4
Earl Fruit Area	2,243	1,529	36.8	40.5	3.7
Arvin Area	5,099	5,848	68.9	53.4	15.5*

SAN JOAQUIN VALLEY—Con't	Oil Bbls.	Water Bbls.	June 1944	Dec. 1944	Increase
PALOMA	197,417	94	1.5	.1	1.4*
Paloma	195,136	46	1.5	....	1.5*
Symons	2,281	48	....	1.6	1.6
POSO CREEK DISTRICT	132,032	205,603	57.9	60.9	3.0
McVAN	1,965	5,725	78.5	74.4	4.1*
PREMIER	130,067	199,878	57.3	60.6	3.3
RIO BRAVO	.....	.....	.....	.....	.....
Rio Bravo—Vedder	500,155	124,495	11.1	19.9	8.8
ROUND MOUNTAIN DIST	266,032	2,561,852	85.7	90.6	4.9
Main Area	181,554	1,722,044	86.1	90.5	4.4
Jewett	25,195	67,388	73.0	72.8	.2*
Vedder	156,359	1,654,656	87.3	91.4	4.1
Northwest Area—Vedder	43,006	690,597	88.9	94.1	5.2
Pyramid Area—Vedder	31,467	133,282	80.8	80.9	.1
West Area—Vedder	10,005	15,929	32.2	61.4	29.2
STRAND—Stevens	54,820	62,755	36.9	53.4	16.5
Upper	21,710	3,202	11.6	12.9	1.3
Lower	33,110	59,553	46.9	64.3	17.4
STRAND—EAST	21,665	32	.2	.1	.1*
TEN SECTION—Stevens	372,658	39,753	8.4	9.6	1.2
WASCO	62,147	91,581	50.4	59.6	9.2
Shale	29	1	6.7	....	6.7*
Vedder	62,118	91,580	50.5	59.6	9.1
WHEELER RIDGE—All Pools	7,614	2,050	21.4	21.2	.2*
WILLIAMS—Williams	54,720	71,822	51.4	56.8	5.4
OTHER FIELDS	115,191	43,002	57.2	27.2	30.0*
ARVIN	834	129	7.7	13.4	5.7
BLACKWELLS CORNER	10,140	2,100	15.2	17.2	2.0
CANFIELD RANCH	810	.....	.....	.....	.....
ANTELOPE PLAINS	926	2	....	.2	.2
CHICO MARTINEZ	531	46	7.9	7.9	.....
DEVIL'S DEN	.....	.....	.....	64.0	.....
GOULD HILLS	.....	.....	2.5	....	.....
ANT HILL—Jewett	2,448	14	....	.6	.....
Others	2,927	308	....	9.5	.....
JACALITOS ANTICLINE	16,779	168	.2	1.0	.8
JACALITOS ANTICLINE	16,560	1,515	....	8.4	.....
KERN BLUFF	.....	.....	29.3	....	.....
McCLUNG	3,499	6,016	45.9	63.2	17.3
GOSFORD—Stevens	1,178	1,109	....	48.4	.....
PYRAMID HILLS	13,290	3,177	12.8	19.3	6.5
QUINN RANCH	.....	.....	.....	.....	.....
SHAFTER	104	282	41.8	73.1	31.3
TEJON RANCH—Metzenbaum	1,350	202	....	13.0	.....
TEJON RANCH—Richfield	6,402	672	11.3	9.5	1.8*
TERRA BELLA	.....	.....	.....	.....	.....
BELLEVIEW—Upper Stevens	20,552	238	....	1.1	.....
UNION AVENUE	2,724	26,595	87.7	90.7	3.0
RACETRACK—Jewett	2,215	410	....	15.6	.....
SHEEP SPRINGS—Carneros	11,922	19	....	.2	.....
SAN JOAQUIN VALLEY TOTAL:	13,506,296	24,996,452	63.6	64.9	1.3

COASTAL	Oil Bbls.	Water Bbls.	June 1944	Dec. 1944	Increase
Santa Barbara District					
CAPITAN	76,738	181,620	64.4	70.3	5.9
Vaqueros	73,352	179,267	64.9	71.0	6.1
Sespe	3,386	2,353	40.2	41.0	.8
ELWOOD	176,347	326,708	63.4	64.9	1.5
Vaqueros	173,102	306,373	62.3	63.9	1.6
Sespe	3,245	20,335	86.8	86.2	.6*
SANTA BARBARA—Vaqueros	2,277	44,976	92.0	95.2	3.2
SUMMERLAND—All Pools	60	4	22.0	6.2	15.8*
Santa Maria District					
CASMALIA—All Pools	17,536	4,430	16.8	20.2	3.4
CAT CANYON	238,703	62,089	17.7	20.6	2.9
East	23,950	3,522	....	12.8	.....
West	39,860	20,668	24.6	34.1	9.5
Las Flores	174,892	37,899	15.8	17.8	2.0
BRADLEY CANYON	3,731	627	....	14.4	.....
GATO RIDGE—Tognazzini	148,377	46,492	16.7	23.9	7.2
LOMPOC—All Pools	56,731	81,779	53.6	59.0	5.4
ORCUTT—All Pools	119,161	248,112	67.4	67.5	.1
SANTA MARIA VALLEY	1,151,030	693,569	37.5	37.6	.1
Ventura District					
PADRE CANYON—All Pools	58,910	11,010	22.1	15.7	6.4*
RINCON	148,920	30,824	21.1	17.1	4.0*
Hobson-Tomson-Miley	145,533	29,908	21.4	17.0	4.4*
Deep	3,387	916	21.0	21.3	.3
SAN MIGUELITO	182,237	15,692	9.3	7.9	1.4*
Grubb One	144,029	15,433	9.2	9.7	.5
Grubb Two	38,208	259	.7	.7	.....
VENTURA AVENUE	1,512,145	258,039	13.2	14.6	1.4
Shallow	697,752	195,074	19.2	21.8	2.6
A-3; B-3	62,862	19,185	21.2	23.4	2.2
B-1, 2	3,264	1,817	36.4	35.8	.6*
B-4; B-5 West	54,488	1,901	2.9	3.4	.5
C-1, 2 West	15,869	384	2.1	2.4	.3
C-3 West	99,821	9,480	4.2	8.7	4.5
C-6 West	10,540	312	10.2	2.9	7.3*
"C" Block	450,908	161,995	22.7	26.4	3.7
Deep	814,393	62,965	7.0	7.2	.2
D-3	38,274	12,707	19.6	24.9	5.3
D-4	7,989	3,062	29.3	27.7	1.6*
D-5 West	179,162	20,637	10.6	10.3	.3*
D-5, 6 East	271,805	10,616	3.0	3.8	.8
D-6 West	94,417	11,360	10.2	10.7	.5
D-7	222,746	4,583	.6	2.0	1.4
VENTURA-OJAI	.....	.....	.....	.....	.....
TIPTOP-FRESNO CANYON	150	45	19.9	23.1	3.2

PERCENTAGE OF WATER PRODUCTION—JUNE, 1944 & DECEMBER, 1944

COASTAL—Continued	Oil Bbls.	Water Bbls.	June 1944	Dec. 1944	Increase
Santa Paula-Newhall District					
FILLMORE	72,683	9,409	14.6	11.5	3.1*
BARDSDALE	8,636	287	6.6	3.2	3.4*
Elkins Area	408	2	.7	.5	.2*
Other Areas	8,228	285	7.2	3.3	3.9*
SESPE CANYON	5,296	3,554	30.2	36.8	6.6
SHIELLS CANYON	58,269	5,520	12.2	8.7	3.5*
TOPA-TOPA	482	48	10.1	9.1	1.0*
NEWHALL	315,743	21,061	4.9	6.3	1.4
DEL VALLE	136,105	16,991	8.4	11.1	2.7
East	48,057	14,311	17.1	22.9	5.8
DL4-DL5	296	133	10.1	31.0	20.9
Sherman	20,983	14,003	28.6	40.0	11.4
Del Valle	16,606	95	.5	.6	.1
Bering	10,172	80	4.6	.8	3.8*
West	88,048	2,680	1.7	3.0	1.3
Sterry	843	50	4.8	5.6	.8
Sepulveda	9,764	134	2.5	1.5	1.0*
Vasquez-Videgain	77,441	2,496	1.5	3.1	1.6
NEWHALL	1,901	1,125	58.4	37.2	21.2*
NEWHALL-POTRERO	139,148	578	.5	.4	.1*
OAK CANYON	38,589	2,367	3.7	5.8	2.1
Wickham	1,485	2,054	39.6	58.0	18.4
Gilmour	8,247	264	2.4	3.1	.7
Lechler	28,857	49	.1	.2	.1
PICO CANYON	.....	.....	....	....	.....
WILEY-TOWSLEY CANYON	.....	.....	....	....	.....
PIRU	32,786	22,150	40.5	40.3	.2*
HOLSER CANYON	420	610	88.0	59.2	28.8*
HOPPER CANYON	1,825	9,426	83.9	83.8	.1*
MODELO	14	.....	....	....	.....
TAPO-EUREKA	330	1,256	77.1	79.2	2.1
TEMESCAL	25,946	9,588	22.5	27.0	4.5
TORREY CANYON	4,251	1,270	26.1	23.0	3.1*
SANTA PAULA	59,664	9,952	13.6	14.3	.7
EX-MISSION	878	2,934	80.4	77.0	3.4*
SISAR-SILVERTHREAD	3,857	1,836	30.5	32.3	1.8
SOUTH MOUNTAIN	54,163	4,723	6.2	8.0	1.8
SULPHUR MOUNTAIN	.....	.....	....	....	.....
TIMBER CANYON	766	459	35.0	37.5	2.5
SIMI-CONEJO-OXNARD	39,710	7,869	3.3	16.5	13.2
CONEJO	.....	.....	....	....	.....
OXNARD	37,511	3,325	.5	8.1	7.6
SIMI	2,199	4,544	38.4	67.4	29.0
Other Coastal Counties	4,563	3,191	16.9	41.2	24.3
SAN LUIS OBISPO	3,889	3,191	19.3	45.1	25.8
EDNA	2,518	1,010	15.4	28.6	13.2
HUASNA	.....	.....	....	....	.....
PISMO	1,371	2,181	23.3	61.4	38.1
Martin	800	1,900	45.6	70.4	24.8
East Elberta	571	281	16.3	33.0	16.7
SAN MATEO					
HALF MOON BAY	.....	.....	....	....	.....
SANTA CLARA	674	.....	2.4	....	.....
LOS GATOS	.....	.....	9.2	....	.....
SARGENT	674	.....	....	....	.....
COASTAL TOTAL:	4,418,201	2,079,648	31.0	32.0	1.0

LOS ANGELES BASIN	Oil Bbls.	Water Bbls.	June 1944	Dec. 1944	Increase
ALAMITOS HEIGHTS—					
All Pools	20,996	167,143	88.2	88.8	.6
ALISO CANYON	109,382	3,128	2.7	2.8	.1
Porter	46,495	2,614	4.8	5.3	.5
Sesnon	61,173	324	.3	.5	.2
Faulted Sesnon	1,714	190	....	10.0	.....
BREA-OLINDA DISTRICT	370,453	252,854	40.9	40.6	.3*
BREA	163,113	141,682	46.8	46.5	.3*
OLINDA	126,346	109,035	48.7	46.3	2.4*
TONNER	80,994	2,137	2.1	2.6	.5
COYOTE EAST	164,922	179,774	52.5	52.2	.3*
Graham-Loftus-Hualde	77,540	145,483	66.9	65.2	1.7*
Mathis	42,970	26,361	38.8	38.0	.8*
Stern	44,412	7,930	15.1	15.2	.1
COYOTE WEST	383,259	349,543	43.5	47.7	4.2
Murphy	132,773	238,366	60.1	64.2	4.1
Ninety-nine	81,811	83,710	45.3	50.6	5.3
Emery	148,472	25,624	11.5	14.7	3.2
East	82,730	10,570	8.6	11.3	2.7
West	65,742	15,054	14.9	18.6	3.7
McNally	1,100	327	21.2	22.9	1.7
Lower Ninety-nine	19,103	1,516	....	7.4	.....
DOMINGUEZ	609,440	452,473	41.3	42.6	1.3
Pliocene	452,543	395,544	46.5	46.6	.1
5th West Block	23,163	1,500	6.3	6.1	.2*
Others	429,380	394,044	42.5	47.9	5.4
Miocene	156,897	56,929	23.7	26.6	2.9
7th Central Block	20,124	3,568	15.1	15.1	.....
8th Central Block	33,779	10,443	21.3	23.6	2.3
South Central Block	24,716	5,630	16.3	18.6	2.3
South-West Block	3,319	1,566	35.8	32.1	3.7*
West Block	65,084	16,493	15.4	20.2	4.8
West Town Lot Block	9,875	19,229	62.7	66.1	3.4
EL SEGUNDO	24,344	86,646	80.2	78.1	2.1*
West Area	1,287	143	....	10.	.....
Others	23,057	86,503	80.2	79.0	1.2*
HUNTINGTON BEACH NEW	969,857	285,077	20.1	22.7	2.6
On-Shore	127,124	152,346	42.4	54.5	12.1
Tar Zone	19,420	45,093	62.9	69.9	7.0
Main Area	68,811	105,518	45.4	60.5	15.1
A-37 Area	38,893	1,735	5.6	4.3	1.3*
Off-Shore	842,733	132,731	12.1	13.6	1.5
Main	535,129	131,391	16.9	19.7	2.8
Jones	307,604	1,340	.3	.4	.1
HUNTINGTON BEACH OLD	506,691	676,034	55.2	57.2	2.0
Bolsa Area	219,997	57,041	17.3	20.6	3.3
Tar Bolsa	27,110	11,198	17.3	29.2	11.9
Ashton	192,887	45,843	17.3	19.2	1.9
Upper	110,769	25,643	17.4	18.8	1.4
Lower	82,118	20,200	17.1	19.7	2.6
Other Areas	286,694	618,993	66.7	68.3	1.6
Tar Bolsa	45,110	101,807	68.0	69.3	1.3
Ashton	241,584	517,186	66.4	68.2	1.8

LOS ANGELES BASIN—Con't.	Oil Bbls.	Water Bbls.	June 1944	Dec. 1944	Increase
INGLEWOOD	515,754	791,496	58.7	60.5	1.8
Vickers-Machado	261,147	619,082	70.6	70.3	.3*
Rindge	101,513	123,208	49.9	54.8	4.9
Rubel	106,199	42,984	27.0	28.8	1.8
Sentous	46,895	6,222	7.8	11.7	3.9
LONG BEACH	876,200	2,526,933	74.3	74.3	.....
Old Area	861,265	2,445,940	73.8	74.0	.2
Upper	852,664	2,439,538	74.0	74.1	.1
De Soto	8,601	6,402	34.9	42.7	7.8
Northwest Extension Area	14,935	80,993	81.8	84.4	2.6
MONTEBELLO	323,182	1,122,641	76.0	77.6	1.6
Main Area	.....	.....	....	....	.....
Baldwin One-Two-Three	226,338	855,296	79.6	79.1	.5*
East Area	12,016	60,259	86.7	83.4	3.3*
Cruz	3,999	6,338	91.0	61.3	29.7*
Nutt	8,017	53,921	86.4	87.1	.7
West Area	84,828	207,086	67.3	70.9	3.6
Fifth Zone	8,332	70,024	85.2	89.4	4.2
Sixth Zone	5,524	31,260	70.6	85.0	14.4
Masser Zone	22,404	56,867	69.6	71.7	2.1
Seventh Zone	9,063	17,427	51.3	65.0	14.5
Eighth Zone	35,092	27,188	55.6	43.7	11.9*
Ninth Zone	4,413	4,320	....	49.5	.....
PLAYA DEL REY	77,546	358,211	82.3	82.2	.1*
Del Rey Hills Area	22,265	31,252	60.0	58.4	1.6*
Venice Area	55,281	326,959	85.2	85.5	.3
POTRERO	28,982	34,502	46.6	54.3	7.7
Central Area	19,502	25,599	48.3	56.8	8.5
East Area	7,858	7,672	42.8	49.4	6.6
Potrero No. 2	3,750	146	5.1	3.8	1.3*
Others	4,108	7,526	56.7	64.7	8.0
West Area	1,622	1,231	42.6	43.1	.5
RICHFIELD	204,471	151,289	42.4	42.5	.1
East Area	101,574	83,368	46.3	45.1	1.2*
West Area	102,897	67,921	38.0	39.8	1.8
ROSECRANS-ATHENS	183,243	158,353	44.3	46.4	2.1
Rosecrans Area	142,736	79,491	34.3	35.8	1.5
Maxwell-Hoge	18,438	45,364	70.9	71.1	.2
Zinns	18,875	15,565	45.6	45.2	.4*
Miocene	105,423	18,562	13.5	15.0	1.5
Banks Block	14,167	634	5.6	4.5	1.1*
Seventh	65,335	13,006	14.3	16.6	2.3
Eighth	25,921	4,922	15.4	16.0	.6
Athens	40,507	78,862	64.9	66.1	1.2
Upper	10,283	44,297	78.9	81.2	2.3
Lower	21,654	34,174	60.2	61.2	1.0
Miocene	8,570	391	11.8	4.4	7.4*
SANTA FE SPRINGS—All Pools	570,611	1,889,177	76.8	76.8	.....
SEAL BEACH	224,302	731,753	77.9	76.5	1.4*
Bixby-Selover	48,302	472,085	90.0	90.7	.7
Wasem	104,711	245,587	68.1	70.1	2.0
McGrath	71,289	14,081	21.2	16.5	4.7*
TORRANCE-HERMOSA	261,194	168,622	37.5	39.2	1.7
Hermosa Area	2,741	931	39.7	25.4	14.3*
Torrance Area	234,525	162,028	38.7	40.9	2.2
Main	136,282	100,591	41.0	42.5	1.5
Thirty-four	37,921	36,497	48.0	49.0	1.0
D. & B.	14,115	14,679	46.2	51.0	4.8
Vesta	46,207	10,261	12.8	18.2	5.4
Torrance Extension Area	23,928	5,663	19.6	19.1	.5*
WHITTIER	31,899	116,686	77.6	78.5	.9
Central Area	28,165	110,073	79.0	79.6	.6
La Habra Area	1,319	114	7.0	8.0	1.0
Rideout-Heights Area	2,415	6,499	65.4	72.9	7.5

LOS ANGELES BASIN—Con't	Oil Bbls.	Water Bbls.	June 1944	Dec. 1944	Increase
WILMINGTON	3,015,800	537,280	13.1	15.1	2.0
Fault Block I (Terminal Area)	275,505	33,840	8.7	10.9	2.2
Ranger Terminal	208,479	30,055	9.7	12.6	2.9
Ford	67,026	3,785	5.1	5.3	.2
Fault Block II (Terminal Area)	566,933	21,570	2.7	3.7	1.0
Tar-Ranger	146,253	11,498	6.9	7.3	.4
Terminal	366,628	9,350	1.6	2.5	.9
Ford	33,576	630	.8	1.8	1.0
U. P.	20,476	92	.2	.5	.3
Fault Block III (Terminal Area)	430,719	10,318	1.5	2.3	.8
Tar Ranger	222,887	5,156	1.0	2.3	1.3
Terminal	202,976	3,768	1.6	1.8	.2
Upper	154,606	1,967	1.1	1.3	.2
Lower	48,370	1,801	3.1	3.6	.5
U. P.	4,856	1,394	17.4	22.3	4.9
Fault Block IV (Harbor Area)	821,939	192,533	17.9	19.0	1.1
Tar	6,612	93	1.9	1.4	.5*
Terminal	815,327	192,440	18.1	19.1	1.0
Fault Block V (Harbor Area)— Terminal	70,126	55,652	42.7	44.2	1.5
Fault Block IV & V (Harbor Area—Ranger	393,618	30,120	5.0	7.1	2.1
Town Lot Area	456,960	193,247	24.8	29.7	4.9
Tar, Ranger & Terminal	431,820	182,481	23.4	29.7	6.3
Ford	25,140	10,766	40.9	30.0	10.9*
OTHER FIELDS	60,967	120,648	66.8	66.4	.4*
BUENA PARK	3,594	2,270	48.2	38.7	9.5*
KRAEMER	2,841	2,962	53.5	51.0	2.5*
LAWNDALE	879	6,886	86.2	88.7	2.5
LOS ANGELES DISTRICT	15,722	84,100	84.8	84.3	.5*
BEVERLY HILLS	3,411	10,857	77.2	76.1	1.1
LOS ANGELES	4,960	43,940	90.0	90.0	.....
SALT LAKE	7,351	29,303	81.0	79.9	1.1*
NEWPORT BEACH	2,526	854	60.0	25.3	34.7*
PUENTE HILLS	1,037	777	30.0	42.8	12.8
TURNBULL	6,403	4,143	38.2	39.3	1.1
WESTERN AVENUE	571	812	13.7	58.7	45.0
YORBA LINDA	27,394	17,844	46.9	39.4	7.5
Shell	19,160	5,556	40.6	24.5	16.1
Smith	8,234	12,288	57.7	59.9	2.2
LOS ANGELES BASIN TOTAL:	9,533,495	11,160,263	52.8	53.9	1.1
STATE TOTAL:	27,457,992	38,236,363	56.5	58.2	1.7

*—Decrease.

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American CYANAMID & Chemical Corporation

(A UNIT OF AMERICAN CYANAMID COMPANY)

30 ROCKEFELLER PLAZA · NEW YORK 20, NEW YORK

MOTOR FUEL SALES IN CALIFORNIA 1944

NET TAXABLE GALLONS

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
Allied Chemical & Dye Corp.	8,478	9,423	7,866	12,858	12,724	10,398	7,215	15,268	11,257	12,844	16,564	16,658
Andrews & Davies (Comet Oil)												
Bell Oil & Refining	12,712	73,182	96,138	146,087	155,560	316,387	268,146	440,019	374,091	366,945	456,892	215,403
Belridge Oil Co		5,485	100,359	144,927	42,362	110,283	78,713	96,130	119,759	151,027	311,389	296,710
Brown, Henry (Operators Oil)	621,636	703,397	1,006,628	725,884	1,060,943	1,184,900	1,257,286	1,297,160	1,492,242	1,181,564	954,410	968,795
Calstate Refining Corp								531,588	333,268	430,602	528,370	509,516
Caminol Co., Ltd., The	2,042,348	1,884,630	1,874,153	1,921,693	1,968,012	2,633,050	2,376,224	2,276,524	2,027,880	2,318,463	2,260,441	2,235,636
Century Oil Co	706,424	695,211	709,117	754,621	873,027	897,935	901,674	1,025,366	954,166	843,523	777,502	890,408
Coline Gasoline Corp	204	270	240		378	111	264	471	161	368	557	
Cowan Oil & Ref.	33,119	33,220	38,476	34,834	27,204	30,469	19,643	31,127	27,520	29,767	28,023	40,225
Del Valle Gasoline Co	111,585	106,650	50,100	78,163	91,749	50,683	39,043	15,342	45,765	41,767	73,509	101,264
Douglas Oil & Ref. Co												
Eagle Oil & Ref. Co	1,376,485	1,230,096	1,360,515	1,421,623	1,234,264	1,464,735	1,369,603	1,356,007	1,867,212	1,610,501	1,715,133	1,833,435
Edgington, Ralph	12,577	61,845	33,464	119,749	67,299	58,918	32,398	63,423	28,449	168,217	79,645	18,405
El Camino Ref. Co												
El Tejon Oil & Ref. Co	53,012											
Envoy Petroleum Co	91,697	151,671	205,145	149,307	81,355	138,291	97,239	109,777	27,565	91,152	171,578	62,415
Exeter Refining Co	328,656	308,891	278,867	280,527	206,690	192,564	176,180	208,236	165,800	181,693	116,095	247,323
Field Gas Corp., O. C						20,564	75,012	81,271		20,370	5,705	
Five C. Refining Co	184,503	149,912	164,121	192,116	228,053	181,506	123,215	58,307	178,503	213,745	196,113	338,271
Fletcher Oil Co., Inc	1,725,176	1,079,981	1,312,540	1,193,271	1,522,351	1,857,461	1,421,748	1,348,262	1,473,478	1,049,307	1,252,432	1,277,682
General Petroleum Corp	9,749,018	9,139,822	9,655,673	10,225,511	10,558,334	10,268,617	10,561,444	10,577,864	10,441,668	11,211,265	11,206,724	11,514,013
Gilmore Oil Co	5,223,584	4,988,478	5,323,433	5,393,003	5,807,558	5,731,087	5,724,802	5,881,284	5,620,999	5,774,152	5,606,205	5,764,843
Hancock Oil Co. of Calif	2,269,131	2,599,737	3,003,080	2,707,972	2,634,987	2,756,390	2,589,698	2,802,030	2,791,939	2,544,050	2,498,646	2,452,300
Klamath Basin Cooperative							21,591	24,080	35,725	38,103	11,110	13,296
Klamath Grange Supply	4,702	8,302	21,178	29,804	33,897	22,107						
Kierger Oil Co	1,120,728	1,712,357	1,463,687	1,351,865	1,588,810	1,422,537	1,593,428	1,476,323	1,425,400	1,586,183	1,674,137	1,554,080
Lomita Gasoline Co												
Los Nietos Prod. & Ref				12,830								
Macmillan Petroleum Corp	859,279	681,170	738,067	967,163	838,759	884,937	824,773	879,053	844,734	716,564	866,735	784,907
Mangold & Tweedy												
McCallen Refining Co	542	1,089	1,028	1,040	1,026	1,374	1,345	1,436	1,354	1,312	1,432	1,424
Moffet, J. O												
Mohawk Petroleum Corp	2,471,137	2,591,958	3,482,882	3,194,618	3,326,376	2,982,613	2,660,589	2,625,663	2,622,395	2,219,522	2,348,871	2,244,162
Newhall Refining Co	421,216	374,968	389,888	348,973	393,750	344,707	337,908	195,788				33,609
Norwalk Co., The	1,282,503	1,246,062	1,218,210	1,183,353	1,577,805	1,509,235	1,635,413	1,581,934	1,697,973	1,588,071	1,515,597	1,576,162
Pacific Central Ref												
Pacific States Oil Co												
Pathfinder Petroleum Co	18,938	44,756	32,134	31,064	18,618	24,803	12,364	12,228	20,179			
Petrol Corp., The	241,264	678,027	595,795	489,739	684,801	550,995	777,317	679,252	678,365	550,079	566,977	525,304
Petrolane, Ltd	651	1,538	1,830	2,462	3,763	134	1,081	3,026	1,470	2,774	3,001	4,739
Richfield Oil Corp	10,188,602	10,298,073	11,486,682	9,685,324	10,621,434	10,589,493	9,884,437	10,188,828	10,368,599	10,050,416	10,417,947	11,488,471
Rothschild Oil Co	2,519,929	2,398,051	2,168,578	2,303,156	2,463,147	2,560,899	3,008,321	3,568,317	3,237,073	2,936,636	2,401,023	2,760,225
Seaside Oil Co	2,646,024	2,508,370	2,828,653	2,644,107	2,873,567	2,887,438	2,916,090	3,059,112	2,694,819	2,685,134	2,670,660	2,758,297
Shell Chemical Co												
Shell Oil Co., Inc	18,621,998	14,519,169	17,544,539	15,489,347	15,659,701	16,344,555	18,152,144	12,652,895	16,104,951	16,859,924	16,015,485	16,779,984
Socal Oil & Ref. Co	768,209	697,631	731,605	778,938	778,544	903,046	820,668	922,888	881,099	889,909	838,817	844,730
Standard Oil Co. of Calif	27,288,102	28,414,213	29,600,314	31,612,096	31,539,958	30,740,038	31,487,981	31,819,440	32,001,329	33,706,741	31,150,905	37,507,281
Steiner, Fred (Elm Oil Co.)	353,808	370,320	345,652	239,877	280,647	298,471	298,372	334,655	390,630	513,684	418,131	469,772
Superior Oil Co	914,894	765,775	659,955	646,016	560,365	562,642	546,576	592,643	521,998	765,874	767,158	819,643
Texas Co., The	7,245,520	6,885,520	7,304,982	7,132,210	7,119,773	7,302,230	7,005,711	7,707,597	7,586,815	8,035,667	7,597,668	8,326,047
Tide Water Asso. Oil	11,238,140	10,655,666	11,393,557	11,111,387	11,454,107	11,652,997	11,983,794	11,990,837	11,974,062	12,075,713	11,838,812	12,287,583
Triangle Oil & Ref. Co	480,860	450,237	444,128	445,075	460,284	514,010	496,247	507,058	459,642	546,236	474,564	353,806
Union Oil Co., of Calif	12,566,006	12,622,412	13,457,877	13,365,074	14,120,527	14,008,761	14,218,499	14,625,632	15,182,434	14,636,643	13,925,049	15,569,775
Ventura Land & Water Co	93,942	95,575	101,728	120,378	131,395	139,344	121,669	129,242	119,615	115,033	87,367	113,079
Western States Gas Corp	160,953	165,601	234,694	140,459								
Wilmington Gas Co												
Wilshire Oil Co., Inc	5,228,491	4,251,388	5,396,845	5,259,081	5,211,603	5,763,900	5,575,191	6,049,100	5,425,119	5,403,508	5,552,157	5,374,014
Others	21,527	74,210	40,488	92,973	152,243	223,088	1,349,131	182,827	203,152	304,632	341,622	498,663
TOTAL	131,308,310	125,734,339	136,904,891	134,180,555	138,467,748	140,138,703	142,850,187	140,025,310	142,458,658	144,469,680	139,741,158	151,472,355

for sale

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5000 FEET OF 3 IN. P. E. LINE PIPE.
6000 FEET OF 2½ IN. E. U. TUBING FOR LINE PIPE.

5800 FEET OF 4 IN. MACHINE-SCARFED DRILL PIPE.

CASING

6500 FEET OF 6⅝ IN., 26 LB., GRADE C. SEAMLESS CASING, RANGE 3, 10-V-THREAD.

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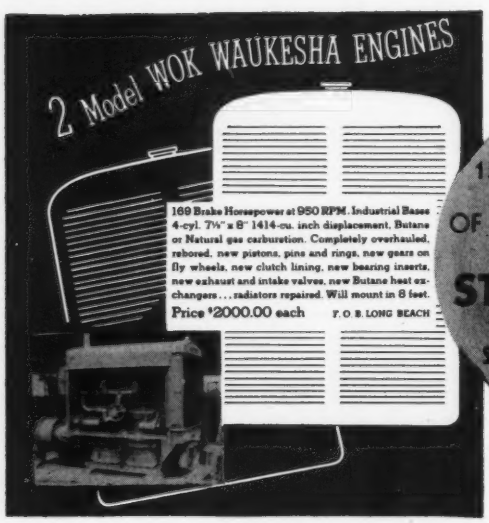
DRILL PIPE

5200 FEET 5 IN. A.P.I. FULL-HOLE.

SUCKER RODS

22,000 FEET ¾ IN. A.P.I. SUCKER RODS.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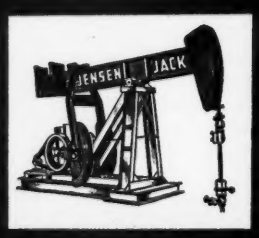

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CALIFORNIA REFINERY OPERATIONS 1944 DAILY AVERAGE

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
Runs to stills, blended or otherwise treated.	838,000	851,551	838,742	854,667	822,129	877,133	847,613	838,548	863,966	872,903	890,965	891,290
Refined production—Straight run.....	771,698	791,310	777,032	792,567	754,516	806,000	776,161	766,645	793,566	813,000	832,232	825,484
Natural Gasoline (including blending)...	66,032	60,241	61,710	62,100	67,613	71,133	71,452	71,903	70,400	59,903	58,733	65,806
Cracking, vis.breaking, polymer. & hydro.	413,452	425,309	431,869	445,865	445,774	477,933	480,421	503,386	492,534	497,225	545,967	530,000
Reforming.....	41,097	43,068	44,645	38,967	40,097	45,433	42,936	35,258	43,800	38,936	45,200	39,420
Less: Used for cracking, vis.breaking, polymer. & hydro.....	413,452	425,309	431,869	445,865	445,774	477,933	480,421	503,386	492,534	497,225	545,967	530,000
Less: Used for reforming.....	41,097	43,068	44,645	38,967	40,097	45,433	42,936	35,258	43,800	38,936	45,200	39,420
Net refined production, including losses....	838,000	851,551	838,742	854,667	822,129	877,133	847,613	838,548	863,966	872,903	890,965	891,290

TOTAL BARRELS

Runs to stills, blended or otherwise treated.	25,978,000	24,695,000	26,001,000	25,640,000	25,486,000	26,314,000	26,276,000	25,995,000	25,919,000	27,060,000	26,729,000	27,630,000
Refined production—Straight run	23,931,000	22,948,000	24,088,000	23,777,000	23,390,000	24,180,000	24,061,000	23,766,000	23,807,000	25,203,000	24,967,000	25,590,000
Natural Gasoline (including blending)...	2,047,000	1,747,000	1,913,000	1,863,000	2,096,000	2,134,000	2,215,000	2,229,000	2,112,000	1,857,000	1,762,000	2,040,000
Cracking, vis.breaking, polymer & hydro.	12,817,000	12,334,000	13,388,000	13,376,000	13,819,000	14,338,000	14,893,000	15,605,000	14,776,000	15,414,000	16,379,000	16,430,000
Reforming.....	1,274,000	1,249,000	1,384,000	1,169,000	1,243,000	1,363,000	1,331,000	1,093,000	1,314,000	1,207,000	1,356,000	1,222,000
Less: Used for breaking, vis.breaking, polymer. & hydro.....	12,817,000	12,334,000	13,388,000	13,376,000	13,819,000	14,338,000	14,893,000	15,605,000	14,776,000	15,414,000	16,379,000	16,430,000
Less: Used for reforming.....	1,274,000	1,249,000	1,384,000	1,169,000	1,243,000	1,363,000	1,331,000	1,093,000	1,314,000	1,207,000	1,356,000	1,222,000
Net refined production, including losses....	25,978,000	24,695,000	26,001,000	25,640,000	25,486,000	26,314,000	26,276,000	25,995,000	25,919,000	27,060,000	26,729,000	27,630,000

BUY BONDS

JORGENSEN
STEEL

CALIFORNIA
DRY GAS OPERATIONS 1944

GAS PRODUCTION—MCF

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
SAN JOAQUIN VALLEY												
Buttonwillow	361,821	528,663	547,132	438,082	249,425	243,913	305,295	146,669	251,924	133,167	120,191	74,260
Coalinga	41,606	37,495	40,158	39,412	42,253	.....	43,971	42,606	32,659	28,850	27,081	112,749
Coles Levee	454,824	535,329	477,479	141,862	210,497	179,064	.....	.....	.....	.....	141,306	.....
Elk Hills	7,147	7,650	.....	.....	829	.....	.....	.....	.....	.....	.....	.....
Marysville	91,273	83,603	81,815	80,899	70,808	74,374	75,545	72,094	69,859	63,013	51,159	56,483
McDonald Island	865,700	793,480	837,876	841,080	864,700	829,250	858,890	863,850	833,080	778,290	813,710	671,468
Midway-Sunset	85,700	115,260	156,660	41,619	67,333	49,724	42,102	42,430	51,422	73,956	119,822	145,035
Paloma (B V Lake)	49,352	37,911	864	.....	.....	.....	.....	.....	.....	11,680	15,592	20,749
Raisin City	.....	.....	.....	.....	.....	.....	6,352	6,176	5,637	4,431	.....	.....
Rio Vista	15,523,948	14,510,115	13,316,289	13,143,597	11,825,521	11,317,791	10,451,840	10,975,759	10,930,235	13,006,467	15,009,444	16,542,258
Semi-Tropic	51,233	103,327	86,593	114	13,576	26,436	21,676	24,527	.....	44,326	207,095	378,446
Tracy	40,611	58	62	62	62	60	62	62	60	14,831	156	2,968
Trico	676,854	602,810	627,869	85,432	1,701	.....	2,172	76,664	262,193	514,664	851,617	824,379
Others	340,252	433,048	438,080	273,735	196,780	223,210	231,529	228,470	245,931	259,663	352,760	418,249
TOTAL SAN JOAQUIN VALLEY	18,590,321	17,788,749	16,610,877	15,085,894	13,543,485	12,943,822	12,039,434	12,479,307	12,683,000	14,933,338	17,709,933	19,247,044
COASTAL DISTRICT												
					Gas Production Not Available							
LOS ANGELES BASIN												
El Segundo	149,488	123,758	121,029	97,435	99,015	102,383	103,920	103,950	109,298	113,368	109,233	111,449
Huntington Beach	.....	.....	13,126	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wilmington	14,253	10,112	13,756	13,671	15,473	13,613	13,909	13,192	14,221	15,498	14,555	11,156
TOTAL LOS ANGELES BASIN	163,741	133,870	147,911	111,106	114,488	115,996	117,829	117,142	123,519	128,866	123,788	122,605
TOTAL ALL DISTRICTS	18,754,062	17,922,619	16,758,788	15,197,000	13,657,973	13,059,818	12,157,263	12,596,449	12,806,519	15,062,204	17,833,721	19,369,649

ACTIVE PRODUCING WELLS

SAN JOAQUIN VALLEY												
Buttonwillow	20	20	18	16	19	14	14	11	11	7	3	7
Coalinga (A)	....	....	....	....	....	....	....	....	....	....	....	....
Coles Levee	4	4	4	4	4	5	5	5	5	5	5	5
Elk Hills	2	2	....	....	1	....	....	....	....	....	....	....
Marysville	5	5	5	5	5	5	5	5	5	4	5	4
McDonald Island	7	7	7	7	7	7	7	7	7	5	7	5
Midway-Sunset (A)	....	....	....	....	....	....	....	....	....	....	....	....
Paloma (B V Lake)	2	1	1	....	....	....	....	....	....	2	....	....
Raisin City (A)	....	....	....	....	....	....	....	....	....	....	....	....
Rio Vista	63	64	64	64	65	66	67	64	69	70	70	73
Semi-Tropic	11	11	11	11	10	11	11	1	1	6	13	6
Tracy	2	1	1	1	1	1	1	1	1	1	1	....
Trico	26	26	25	25	20	19	19	19	19	16	28	16
COASTAL DISTRICT												
Goleta	6	6	5	4	3	3	2	1	1	2	2	2
LOS ANGELES BASIN												
El Segundo	3	3	3	3	3	3	3	1	1	1	1	1
Huntington Beach (A)	....	....	....	....	....	....	....	....	....	....	....	....
Wilmington (A)	....	....	....	....	....	....	....	....	....	....	....	....

(A)—Data on number of Wells Producing Dry Gas exclusively not available.

British-American Announce Executive Appointments

Officials of The British-American Oil Producing Company have been in Los Angeles for the past several days to inspect the Company's recent completions in the Ventura Avenue Field in the D-7 Zone and to consider a development program for the Company's new strike at Race Track Hill.

At the completion of their visit the following appointments were announced affecting the California Division:

H. A. Eklund, Vice President and Manager of the Land Department; J. E. Matter, Manager of the Exploration Department; O. I. Torkelsen, Manager of the Exploitation Department.

The Company officials were very pleased with the recent successes of the Company in California and it was felt that much of the Company's present activity and success was due to the efforts of these men and that the appointments were not only for recognition of their past achievements but an indication of the Company's confidence in a future development and expansion program of the California Division.

Jackson Advanced by Eastman Oil Well Survey

Mr. J. Gordon Jackson has been promoted to Chief Engineer of all Eastman Oil Well Survey Companies. He just returned to Long Beach after an extended tour of all the oil producing areas of the United States. Mr. Jackson joined the Eastman organization in 1939 and has had experience in all the departments of the company. He graduated from the University of California, College of Engineering.

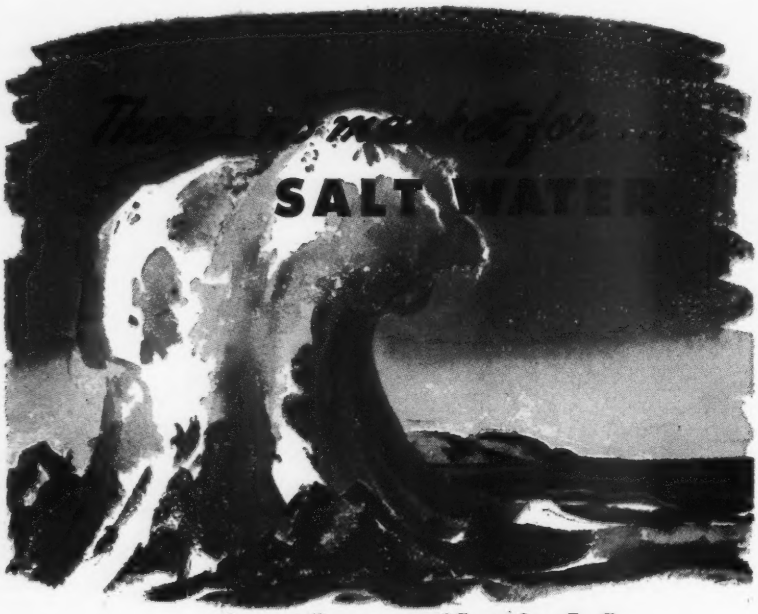
J. Gordon Jackson

Imperial County "Cats" Working

Amerada Pet. Co., Veysey No. 1, in Sec. 9-13s-14e of the Brawley area, is prospecting ahead with depth last reported at 6545 ft. In the Holtville area on Sec. 8-16s-16e, The Texas Company, Grupe-Engrebretson, is redrilling in shale at 7379 ft. after junking the lower portion of the original 9014 ft. hole. Little geologic information is available on these projects.

Gen. Pet. Starts Fruitvale "Cat"

General Pet. Corp. is preparing to drill Calloway No. 66-17 on Sec. 17-29s-27e. The well is located 1650 ft. north and 1650 ft. west from the southeast section corner and lies a little more than a mile northwest of the present field limits.



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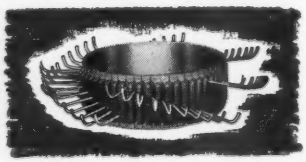

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Berg and Newhoff Advanced by Union Oil Co.

According to an announcement made on April 6th by Reese H. Taylor, President of Union Oil Company, Mr. Ole Berg, Jr., and Mr. W. A. Newhoff were elected Vice-Presidents of the Company by the Board of Directors at its April meeting.

Ole Berg, Jr.

The new officers are well-known in the industry and are experienced Union Oil veterans, each having been connected with the Company in various capacities for over twenty years and recently occupying executive positions in the Sales Department. Both are natives of San Francisco and have remarkably similar histories with the Company, advancing from the ranks to ever increased responsibilities. The elevation to the offices of Vice-President attests their past loyalty, capabilities and efficient work with the Company.

Mr. Berg's association with Union began in 1921 as Office Boy in the San Francisco office. His advancement has been steady. In ten years he had become Assistant Sales Manager at San Francisco. In 1937 he was appointed Division Manager at Seattle, Manager of Wholesale Marketing in the Company's main office in Los Angeles in 1942, and two years later Manager of Marketing. From this position he now assumes new responsibilities as an Officer of the Company in direct charge of Foreign and General Sales.

Mr. Newhoff started with the Company in 1920 as a Clerk at San Francisco. In this work he advanced through numerous marketing positions to become the Company's Cashier at Seattle in 1926. When presented with his ten year emblem of service with Union he was the District Manager at San Francisco and later Manager of Sales at Los Angeles. During the past year Mr. Newhoff represented all departments of the Company at San Francisco as Assistant to the President. He will continue his residence in the Bay Area as Vice-President and Manager of the Central Territory for the Company.

W. A. Newhoff

Kobe Establishes General Technical Service Department

Kobe, Incorporated, one of the Dresser Industries, has announced the establishment of a General Technical Service Department under the direction of W. F. Slater who will be in charge of all the company's technical field activities.

This new agency has been established to meet the expanding interest in hydraulic oil well pumping and to effect an improved service on oil well pumping problems. The company's Mid Continent Division technical activities will continue to be headed up by H. K. Ihrig, while the California Division technical work will be carried on by R. L. Fanthus.

Mr. Slater brings to his new position a broad experience in oil well pumping problems. After leaving the engineering schools of Oklahoma and Tulsa Universities, he entered the oil production business and in 1936 was actively engaged in engineering and production studies of pumping equipment problems—doing work both in California and Mid Continent oil fields. In 1941 he became associated with Kobe, Incorporated as Tulsa District Manager and in May of 1942 was appointed California Division Manager, which position he has held until his new appointment.

W. F. Slater

Gardena Area Well Drilling

Ohio Oil Company, Gardena Community No. 1, on Sec. 24-3s-14w, is drilling ahead at 4502 ft. Located northwest of the Gardena townsite the well is considered one of the most interesting projects in the L. A. Basin area. The drilling is predicated upon exhaustive subsurface investigation which to date has been only meagerly checked by prior drilling. Few wells have been drilled in the immediate vicinity. In the nearby Hawthorne area, on Sec. 17 of the township, Lauren L. Hillman Inc., is preparing to spud his test well, West Hawthorne No. 1.

Kern County Oil News

Fortnight ago Kern County was like any other community as it paused to pay tribute in various ways to Franklin Delano Roosevelt. Universally conceded that his passing was a great loss, oilmen shared in this belief. What was unlike any other scene, however, was the sober faced sad eyed oil operator accustomed to adversity from fishing jobs, to salt water seepage and dusters. Many an anti administration oilwig dropped into Kern hotels, sat down and had no report. To Kern citizens this rugged tough and independent oilman was a real human after all and confusion sought to mingle with usually planned and deliberated logistics for oil production. Said they, "with the feel of victory on the perimeter of production and supply, it is untimely that the full fruits of realization could not have blessed the thinking of our President who participated in the direction of our efforts."

Paul J. Howard, Kern's deputy county assessor and petroleum engineer expert on taxation had more news this month, but not on taxes. He refused to predict or make guesstimates because the 1945 valuation might go five millions either way. However, on cash income dollar value he had this to report: Income from gas and oil for 1944 now reaches $104 millions. Production in Elk Hills in July at 15,000 barrels a day has passed the 60,000 mark to show with other increases in Kern that 33 6/10ths of California oil flows from Kern. To many service men's argument overseas on production by states, Paul likes to set up this table in order of most production:

1. Texas
2. California
3. Louisiana
4. Oklahoma
5. Kansas
6. Kern County, California

By this month's end R. M. Kleinpell had gained back enough of his 70 pounds lost at Jap prison camp to enable him shaking hands with many Kern friends. He used to work for Richfield and later became associated with his brother Bill Kleinpell as a micro paleontologist consultant. At the time of his incarceration on December 29, 1941 "RM" was connected with the American Philippine National Development Company exploring for oil on Cebu, Panay Negros and Luzon. From Santo Tomas he was transferred to the old agricultural university at Los Banos to begin a systematic starvation for feeble resistance. Later he was to have been liquidated by an old Jap custom of firing the billits and getting shot as he might have been able to run from the fire. The order had been given to "liquidate", it was learned later on the very day that MacArthur's paratroops descended and rescued the several hundred pris-

oners. From now on "RM" will also be a consultant on Jap warfare and welcomes any doubting Thomas' as clients without benefit of fee.

Charles Dewing who with his wife met untimely death about a month ago in one of the worst accidents of the year, was more than a loss to Belridge Oil Company, where he was employed as petroleum engineer. Kern folk liked him, they admired his wholesome, simple efficient manner and genuine civic consciousness. Charles Dewing had a plan . . . he always had one . . . this is the way he worked not only for Belridge but for his family. He had it all figured out to the day when he would complete his contribution to his family, his job and retire. But inclement weather, a bus and an automobile without a plan made parentless a boy in the service and two little daughters, who face the struggle with a different plan.

Any oilmen not going fishing May 1st or any time after that can let some soldier do so by depositing the old tackle at the USO . . . so they say. And while this is being done it still may not be too late to throw in the old clothes oil men used to get dressed up in before Pearl Harbor.

Promoted last month was O. I. Torkelsen, district representative here of The British-American Oil Producing Company, to Los Angeles to be in charge of exploitation work there for the firm. After a tour of inspection of properties here at the new Race Track field near Edison, the Ventura Avenue holdings, the Dominion Properties at Poso, and the Del Valle at Castiac in the Newhall area, this decision was made by the brasswigs of the company. Mr. W. K. Whiteford of Toronto, Canada in charge of all British American operations in the Americas was met here by C. D. Miller of Tulsa. Also here were H. A. Eklund from the Los Angeles Dist., and J. E. Matter from the Exploration Division of Los Angeles.

We didn't mean to mention it, but just in case you didn't know it . . . the wildflowers happen to be gorgeous but have just passed their prime. After the war it is rumored that oil land surface leasing for agriculture will be discontinued in favor of bigger and better revenue from tourists who will buy gas to drive up here and see the flowers. Good public relations and good business.

To oilmen this month came the unhappy news that their favorite scribe Chuck McNavin, World War II Veteran had to give up in favor of the hospital. Taking his place on the local newspaper is Martha Jane Harrison, an affable and efficient "get-all-the-facts" oilnewshawk.

At Taft where oil from the soil has been officially dubbed "black gold" the NGA (en gay hay) met one day last month to hear F. W. Bell chief process engineer of The Fluor Corporation as he presented a paper on "Increasing Propane Recovery in Existing Natural Gasoline Plants."

Most frequently propounded question last month was, "Whose 'duster' near McKittrick?" . . . We don't know. . . . This column or department only devotes its time to

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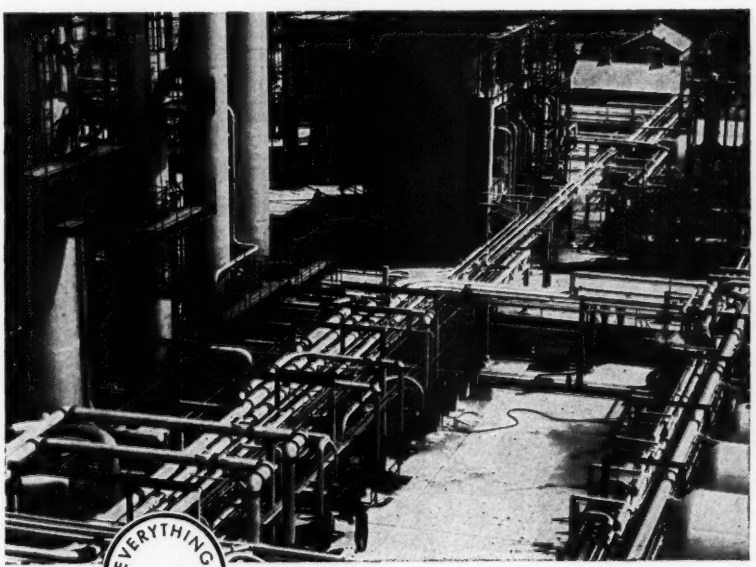

EVERYTHING IN INSULATION

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personals and their inherent gossip. If the "duster" got married or had twins or went to a banquet and got promoted it's news as far as the department is concerned.

Oilmen have new friends again at day and night spots which outdo their stuff and close up ranks. The potatowigs have returned like swallows and taken up nesting in main hostelries. Kern's 26 million dollar crop one year swelled the agricultural income two millions more in cash, that total from oil but that may not happen again. The Kern potato deal is big like oil and so the combination talks each others language.

Remember Jack Trenchard, geologist, a former resident of Kern County who left here 15 years ago? He has returned to California and will locate in Los Angeles, after having been in Texas, Illinois, and Mississippi.

Awarded service pins by Standard Oil Company of California last month for 35 years of employment were: F. C. Garing, J. Halverson, F. Heselwood, J. Small, Joe Todd. 175 years of service, so they say . . . for the five in the motor transportation department.

It's the little things that count sometimes and perhaps most of the time. You take Fred Owen for instance . . . he reminds this department that Ralph Zook, prexy of I.P.P.A. is still talking about his trip out here a couple of months ago when Angus Crites and the boys really held a meeting. Ralph, according to Fred is still talking about hospitality, pictures and publicity that the entire trade magazine fraternity and the press generated in a high professional and informatory manner that spells successful education along the lines the association is striving to bring before the public. As a matter of fact Fred Owen was even grateful himself, as he always is for the merest favors. That reminds us Fred sent to Europe once to get a necktie for a fellow he called his friend.

And so it must come to all, the end of this month's Kern County Oil News has come to you. If anything newsworthy shows up let us make something happen and tell it to the "scouts table" even if it isn't technical.

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THIS LAUGH

OFF!!

Another optimist is the man who thinks his wife quit smoking cigarets when he finds cigar butts around the house.

"There I was forced down on a desert island with a lovely blonde."

"What did you do for food, sir?"

"Darned if I remember."

A whimsical bugler named Moe,
Who thought it was funny to blow
His horn at eleven,
Is now up in heaven,
Which ain't where they told him to go.

"KP, where've you been all morning?"

"Filling the salt shakers like you told me to, sergeant."

"All that time?"

"Yep, it aint' easy pouring salt through them little holes."

Hear about the little moron who flooded the gymnasium because the coach told him to go in as a sub?

"Have you ever sold brushes?" she asked him.

"No," he replied.

"Well, you'd better take this one and start selling it to me . . . here comes my husband."

Son: "Say, Dad, what does it mean when the paper says some man went to a convention as a delegate at large?"

Dad: "It means his wife didn't go with him, son."

Not long ago Deacon Miller bought a horse and buggy and took his wife out one Sunday for a drive. They came to a neighboring town and saw a sign which read, "Speed limit fifteen miles per hour."

"Here, Ma," said the deacon excitedly, "you take the lines and drive, and I'll use the whip. Maybe we can make it."

"Do you have any questions, lady?" asked the shipyard manager, just before the launching ceremony.

"Yes," she replied. "How hard do I have to hit it to knock it into the water?"

Man-about-town: "This is a wonderful suit of clothes I'm wearing."

Stay-at-home: "It looks like an ordinary piece of goods to me."

Man-about-town: "What I mean is, the wool was grown in Australia, the cloth woven in New England, the thread was made in Great Britain, the suit was made in New York, and the dealer I purchased it from has his store here in town."

Stay-at-home: "What's strange about that?"

Man-about-town: "Why, it's a wonder that so many people can make a living out of something that I've never paid for."

First Little Girl: "Dr. Jones brought our baby."

Second Little Girl: "We take from him, too."

With a thoughtful frown on his face he walked along, talking to himself in a loud argument. Arriving at a corner he stopped. Then a bored look came over his face. He cut himself short in the middle of a sentence and shook his own hand.

"Sorry, old boy," he apologized, "but I've got to be going."

The prime spinster was dining out, and while the waiter was standing by the table, she asked him to find out the title of the piece the orchestra was playing.

Other duties claimed the waiter for a time, and when he returned the spinster had forgotten the request. To her confusion the waiter bent towards her and whispered, "What can I do to make you love me?"

"Is there anything you fancy to eat before the execution?" asked the warden.

"Yes, mushrooms," said the condemned man. "I've always been scared to try them in case I'd be poisoned."

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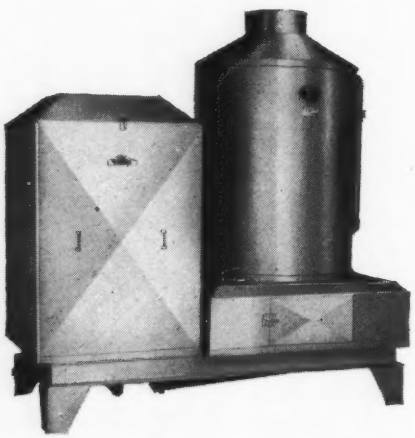

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Field Development

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Los Angeles Basin

Seal Beach Area To Get Driller

Marine Exploration Company, a combination of Gilco Inc. and the Texas Company interests, has been awarded the lease on State owned tidelands at the westerly edge of the city of Seal Beach. The Company will institute deep directional offshore drilling exploration as soon as arrangements are completed for adequate onshore drilling locations and facilities. The proposed exploration seeks accumulations long suspected present and productive beneath the ocean at this point.

Aliso Canyon Work Continues

Tidewater Associated Oil Company is preparing to drill Standard-Sesnon No. 1-6 at the flank of the Aliso Canyon Field. The Company's No. 1-5 is currently drilling at 7,000 ft. while Porter No. 34, deeper within the field, is making hole near the 8,000 ft. level.

Standard Oil Company, Ward No. 3-1, an outpost test on Sec. 27-3n-16w, is drilling and spot coring at 9736 ft. The company proposes to drill Wigdal No. 1 as a wildcat on Sec. 19 of the township.

Del Valle Area Remains Active

The Texas Company Kern No. 1, in Sec. 18-4n-17w at the flank of the Del Valle Field, is making production trial after bottoming at 3114 ft. and cementing 7 in. at 2817 ft. Formation tests on the way down indicate commercial production at this point. The Company's faith in the success of this test is indicated by the staking of a second project on a nearby location. In the field, R. E. Havenstrite, Operator, is working on Lincoln No. 9 & Vasquez No. 1, while Ohio Oil Company and Standard Oil Company have each staked location for a new driller.

Montebello Well Flows

Kern Oil Co., Ltd. gun perforated its Montebello No. 24 in the eighth zone interval 7826-36 ft. and on formation test flowed a 150 b/d rate 37 gravity clean oil with 600 MCF rate gas. The company is running tubing with packer for permanent recompletion.

Newhall-Potrero Wildcat Logging

C.C.M.O. Company, Sanborn No. 1, in Sec. 6-3n-16w, former Aztec Oil Company wildcat, has cleaned out to 7282 ft. and is running electric log for study pending continued operations in the deep hole. To the northwest, in the field proper, Barnsdall Oil Company is testing a water shutoff on R.S.F. No. 47

LOS ANGELES BASIN WILDCATS

Area	Well	No.	Section	Depth	Status
Athens	Gen. Expl. Co. of Calif., Johnson	1	11, 3-14	8944	Redrilling
Aliso Canyon	Standard Oil Co., Ward	3-1	27, 3-16	9736	Drilling
	Standard Oil Co., Wigdal	1	19, 3-16		Location
Chatsworth	Shell Oil Co., Davey Corehole	1	25, 2-17	1693	Drilling
Del Valle	The Texas Co., Kern	1	18, 4-17	3114	Testing
Gardena	Ohio Oil Co., Gardena Comm.	1	25, 3-14	3106	Drilling
Hawthorne	Hellman, Loren L., Hawthorne	1	17, 3-14		Prep. to spud
La Habra	Union Oil Co., Sansinena	15	30, 2-10	776	Drilling
Las Llajas	Standard Oil Co., Brady Est.	2-1A		3056	Drilling
Lincoln Park	Dumm Bros. Pet. Corp., Olympic	15	24, 1-13	100	Idle
L. A. City	Seaboard Oil Co., Corehole	5	14, 1-13		Rigging up
	Seaboard Oil Co., L. A. Brick	1	21, 1-13		Bldg. rig
Newhall	Anderson, J. I., Tomato Can	1	11, 3-16	4726	Idle
	British-Am. & The Texas Co., NLF	2	21, 4-17	1406	Drilling
	C.C.M.O. Co., Sanborn	1	6, 3-16	7327	Cleaning out
	Signal Oil & Gas Co., Needham	1	14, 3-16		Grading roads
Oak Canyon	Western Gulf Oil Co., Stevens	B-1	5, 4-17	3149	Drilling
Pico Canyon	Standard Oil Co., Pico C. O.	42	1, 3-17	8004	Drilling
Pomona	Jones, Everett, Well	1	17, 2-9	826	Idle
San Jose Hills	Continental Oil Co., Bayley	1	29, 1-9	4007	Abandoned
	Ohio Oil Co., Legrand	1	30, 1-9	6035	Drilling
So. Covina	The Texas Co., So. Covina Comm.	5-1	18, 1-9		Grade
Turnbull Canyon	Capital Co., Capital	1-3	11, 2-11	1669	Drilling
W. Coyote	Pike Drlg. Co., Bolsa-Stern	1	14, 3-11	5600	Idle
	Standard Oil Co., Lewis	1	11, 3-11	4818	Drilling
	Imperial County				
Brawley	Amerada Pet. Corp., Veysey	1	9, 13-13	6273	Drilling
Holtville	The Texas Co., Grupe-Engebretsen	1	8, 16-16	9014	Redrilling
	Orange County				
Buena Park	Gen. Pet. Corp., Librown	1	21, 3-11	5126	Drilling
Costa Mesa	Barnhart-Morrow Deeble	1	18, 6-10	360	Drilling
	Darling, O. F., Darling	1	23, 6-10	2060	Cleaning out
	Delaney & McLeod	1	17, 6-10		Rigging up
	Macoil Co., Townsend	3	21, 6-10	6134	Redrilling
	Menvig, Emil L., Well	1	21, 6-10	1145	Drilling
Huntington Bch	Atha Expl. Co., Newland	12-3	12, 6-11	4960	Reaming
Kraemer	Mid. Cal. Pet. Co., Mid. Pet.	K-1	24, 3-9	2512	Fishing d.p.
Yorba Linda	Skylark Mfg. Co., Howe	1	22, 3-9	3974	Drilling
	San Bernardino County				
Chino Hills	Chino Hills Oil Co., Kraemer	2	33, 3-28	1366	Cleaning out

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at 7498 ft., and is rigging up for an early start on No. 49. Latest completed in the field was No. 44 which finished in the sixth zone flowing 530 b/d clean 36.1 gravity oil and 590 MCF gas through a 15/64 in. bean under pressures of 1075/2150 lbs.

Covina Area Wildcat Staked

The Texas Company is grading roads to a drilling site for South Covina Community No. 5-1 on Sec. 18-1s-9w in the Covina area of Los Angeles County. The project is located 275 ft. north and 275 ft. east of the centerline of Ruddock and Glendora avenues. In the nearby San Jose hills area Continental Oil Company Bayly No. 1, on Sec. 29-1s-9w, was abandoned in Volcanics at a total depth of 4,007 ft. On Sec. 30 of the township Ohio Oil Company's Legrand No. 1 continues to drill in volcanics with depth last reported at 5829 ft.

Long Beach Deep Test Swabbing

Shell Oil Co., Inc., Stakemiller-Rose No. 1, which bottomed at 10,672 ft. on Signal Hill and cemented 7 in. at 10,168 ft., is swabbing with the fluid level at 5,000 ft. Recovery in the latest 24 hour period was 168 b/d oil cutting only 7%. Yet further east in the field the Company's Alamitos No. 48A, is drilling ahead at 12,016 ft. By far the deepest well ever drilled in the area, the try will prospect to the fullest capacity of the rig unless substantial production is first encountered.

Hilo Oil Company, Hilo Northwest Extension No. 1 in the extreme northwesterly edge of the field effected water shutoff on a full string of 6⅝ cemented on bottom at 8315 ft. Gun perforated opposite showings in the interval 8245-95 ft. with 300 holes, the well swabbed only mud and water with a little gas. Fluid could not be lowered below 1500 ft. At last report the company was squeezing the perforations from 8245 ft. to 8260 ft. and will again test the zone through the perforations left open.

GOODYEAR

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Coastal and Northern District

South Mountain Work Continues

Development in the South Mountain field of Ventura County is proceeding at an even pace. On Sec. 13-3n-21w, Pacific Western Oil Corp., Yale-Richardson No. 5 is completed at 3831 ft. pumping 143 b/d 21 gravity clean oil, while No. 6 is drilling at 1682 ft. The Company has staked locations for 3 additional wells. British American Oil Prod. Company, Richardson Ranch No. 1, is abandoning at 4485 ft. after failing to establish production. F. E. Fairfield, South Mountain No. 3, is drilling in the producing horizon at 4305 ft. after cementing 9 in. casing at 3325 ft. The Los Feliz Investment Company—Macoil Company well on Sec. 24-3n-21w is making hole below 1500 ft. after cementing surface casing at 372 ft.

Two outpost wells are currently scheduled. Los Nietos Company will drill C & H No. 1, 300 ft. north and 222 ft. west in the southeast corner of Sec. 22-3n-21w, while Shell Oil Co. Inc., will drill McBean No. 1 some four miles southeast of the field. The site is approximately 3620 ft. south and 1300 ft. west in the northwest corner of projected section of 33-3n-20w.

Los Alamos Try Sets Casing

Bel-Air Oil Company, Price No. 1, on Sec. 21-8n-32w is drilling ahead at 4683 ft. after setting 7 in. casing at 4610 ft.

Buellton Area Wildcat Drilling

Richfield Oil Corp., Skytt No. 1, on Sec. 4-6n-32w, continues to prospect ahead and was last reported drilling shale at 4193 ft.

Padre Canyon Well Finished

C.C.M.O. Co., Hobson A-15, on Sec. 14-3n-24w was completed in the gun perforated intervals 7005-7230 ft. and 7330-7914 ft., flowing 713 b/d 31.3 gravity oil cutting 6%. 403 MCF gas accompanies the flow through a 1 in. bean under 100 lbs. pressure.

Oxnard Area Well Announced

El Rio Oils "Canada" Ltd., has announced location for a well in the Oxnard field area. The projected site is 420 ft. south and 340 ft. west from the northeast corner of the Chase property.

Paso Robles Area To Get Driller

Norris Stamping and Mfg. Co., is preparing to drill Dresser No. 1 near Paso Robles in San Luis Obispo County. The site is 500 ft. north and 1600 ft. west from the southeast corner of Sec. 4-27s-13e.

Gasser In At Rio Vista

Standard Oil Company completed Natural Gas Corp., Unit No. 3 at 5450 ft. on Sec. 7-3n-3e. The well was tested at varying rates to maximum 15,019 MCF gas throug a 5/8 in. bean before shutting i under 2100 lbs. Currently comple ing is Jergins Oil Co., Twitche M-2, on Sec. 17 of the townshi which flowed 10,600 MCF rate o gas on formation test of the inte val 5408-72 ft.

Standard Oil Co. is preparing t drill a Rio Vista area test, Weck werth Comm. No. 1, 3650 ft. sout and 990 ft. west from the nort quarter corner of Sec. 20-4n-2e, an Teal Comm. No. 1 on sec. 27-4n-2w

Ventura Avenue Work Continues

Development of the Ventura Ave nue field continues at an even pac with Shell Oil Company and Tide water Associated Oil Company eac operating several strings. Gen. Pe Corp. and Lloyd Corp. Ltd., are op

COASTAL COUNTIES WILDCATS

Area	Well	No.	Section	Depth	Status
Santa Barbara County					
Bradley Canyon	Union Oil Co., Fugler	1	3, 9-33	4858	Drilling
Buellton	Richfield Oil Corp., Skytt	1	4, 6-32	3798	Coring
Cat Canyon	Krieger Oil Co., Los Flores	1	27, 9-33		Material
Elwood	Union Oil Co., Storke	1	24, 4-29		Rigging up
Gaviota	Standard Oil Co., Hollister	1	35, 5-33		Rig
Los Alamos	Bel-Air Oil Co., Price	1	21, 8-32	4683	Drilling
Los Olivos	Hub Oil Co., La Laguna	1	7, 7-30	5075	Idle
Ventura County					
Camarillo	Barth, D. A., Well	1	32, 2-20	520	Idle
Fillmore	Standard Oil Co., Elkins	1	6, 3-19	7571	Drilling
Ojai	Delaney Pet. Corp., Victory	1	8, 4-21	3551	Idle
	Volunteer Pet. Corp., Hilltop	2	7, 4-21	2456	Drilling
	Volunteer Pet. Corp., M & L	1	7, 4-21	245	Idle
Owensmouth	T.W.A.O. Co., Triunfo	1	12, 1-8	1433	Drilling
Oxnard	Lloyd Corp., Ltd., Todd	A-1	6, 1-22	4211	Idle
Red Mt.	Continental Oil Co., Casitas	2	7, 3-23		Foundation
Santa Paula	Standard Oil Co., Santa Paula	1	10, 4-20	1446	Drilling
Snowball Anticline	Grubb & Hawkins Snowball	1	19, 4-24	2802	Rig
South Mt.	Los Nietos Co., C & H	1	22, 3-21		Location
Timber Canyon	Hickey Noble J., Temple	1	22, 4-21	775	Idle
San Luis Obispo County					
Paso Robles	Norris Stamping & Mfg. Co., Dresser	1	4, 27-13		Location
Tar Springs	Amerada Pet. Corp., Tar Springs	1	25, 31-14	5440	Abandoned

NORTHERN COUNTIES WILDCATS

County	Well	No.	Section	Depth	Status
Contra Costa	Ardly Pet. Co., Almond	1	3, 2n-2w	100	No report
	Shell Oil Co., East Bay	1	13, 1n-3w	6953	Drilling
Sacramento	The Texas Co., Walnut Grove	1	35, 5n-4e	3782	Drilling
San Benito	Panoche Pet. Co., Panoche	2	24, 16s-10e	160	Idle
Solano	Amerada Pet. Corp., Atkinson	1	10, 7n-2e	5044	Testing
	Amerada Pet. Corp., Comber	1	19, 6n-2e	5940	Drilling
	Shell Oil Co., Lambie	3	25, 4n-1w	3643	Drilling
	Standard Oil Co., Suisun	6	5, 3n-1w	4283	Drilling
	The Texas Co., Winchester	8-1	4, 6n-4e	4472	Abandoned
	Weekwerth, Well	1	20, 4n-2e		Location
Sonoma	Gregory, Leonard A., Bettinelli	1	29, 5n-6w		Location
Sutter	Buttes Oilfields, Inc., Buttes-Ward	1	2, 15n-1e	6500	No report
Yolo	Superior Oil Co., Corcoran	1	5, 8n-1e	3952	Drilling
	The Texas Co., Dunnigan	14-1	12, 10n-1w		Rigging up
	The Texas Co., Salisbury	1	20, 10n-1e	7163	Abandoned

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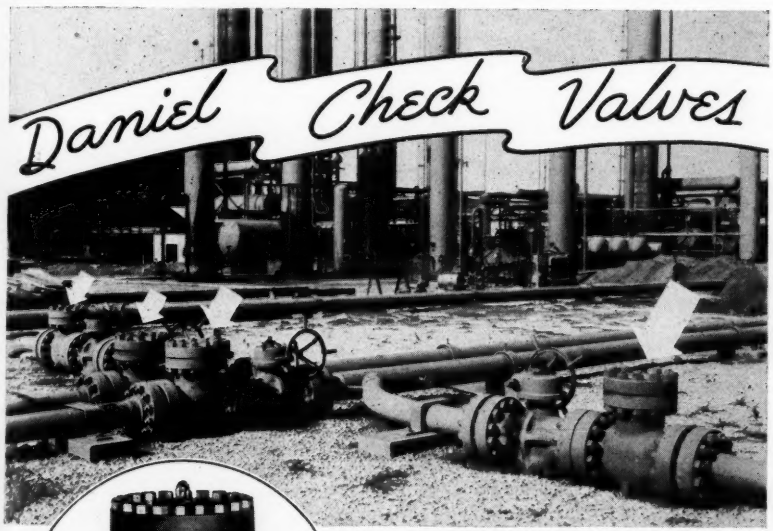

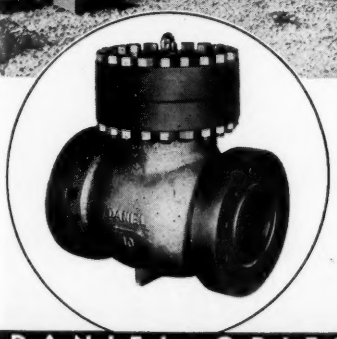

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erating single unit programs in the field. Latest finished in the field was Shell's Taylor No. 183 which completed at 8940 ft., flowing 589 b/d clean 31 gravity oil through a 16/64 in. bean.

Yolo County "Cat" Quitting

Superior Oil Company Corcoran No. 1, on Sec. 5-8n-1e, is preparing to abandon after drilling to a barren 4646 ft.

Dixon Area Well Testing

Amerada Pet. Corp., Adkinson No. 1, on Sec. 10-7n-2e bottomed at 5044 ft. in shale and plugged to 3800 ft. A test is under way on the interval from 3770 ft. to the plug. On Sec. 19-6n-2e the Company's Comber No. 1 is drilling ahead at 6021 ft.

MORE BASIN

Bandini Area Well Planned

C. G. Willis is preparing to build rig for Pansini No. 1 in the Bandini area of L. A. County. The well is located approximately 175 ft. south and 100 ft. east in the northwest corner of Sec. 23-2s-2w.

Seal Beach Well Finished

Shell Oil Co. Inc., Bryant No. 8, was completed from 1599 ft. of zone open in the interval 6815 to 8414 ft. Settled production through a 12/64 in. bean is 331 b/d, 30.4 gravity, cutting 15% under pressures of 500/1140 lbs.

Trabuco Canyon Well Scheduled

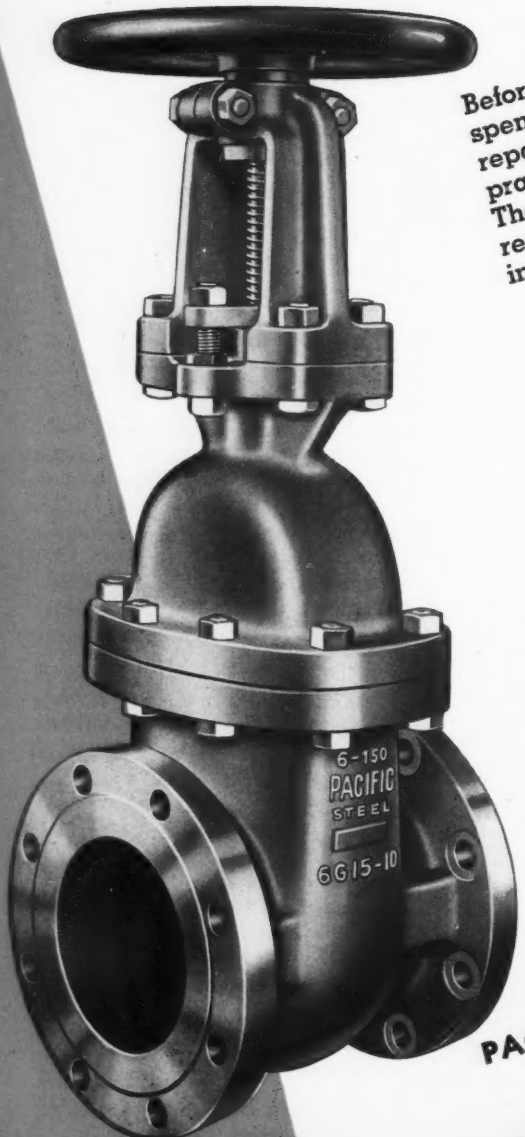
N. E. Guthrie & Assoc. are planning to drill a wildcat in Trabuco Canyon in Orange County. The proposed wildcat is located approximately 300 ft. south and 150 ft. west of the center of Sec. 3-6s-7w.

Huntington Beach Well Planned

Crawford & Hiles are preparing to drill Slater No. 1 in the northerly flank of the Huntington Beach field. The well will be put down 560 ft. south and 1220 ft. east from the north quarter corner of Sec. 34-5s-11w.

VALVE VALUE *depends*

UPON CAREFUL ATTENTION TO LITTLE DETAILS



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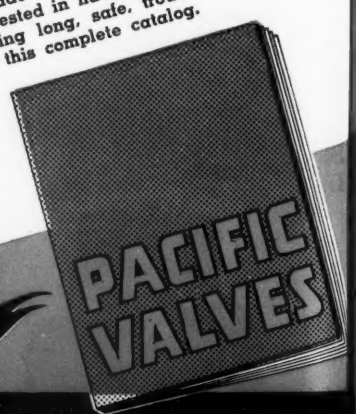

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PACIFIC VALVES

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Lost Hills "Cat" Deepening

Standard Oil Company, Cohn No. 58-4 on Sec. 4-27s-21e is coring ahead in sand at 9027 ft. Formation tests from 8650-8791 ft. have recovered only salt water and some gas. The well will check to considerable depth. On Sec. 35-25s-20e of the Lost Hills Area, Harp & Brown have poured foundation for Chandler No. 1 which is expected to seek shallow production in the area.

Devil's Den Test Coring

C.C.M.O. Co. Bates No. 2, deep test of the Devil's Den area on Sec. 20-25s-19e, is coring hard brown shale with streaks of sand at 8043 ft. The well is believed to be only a short distance above the objective Belridge 64 sand.

Mt. View Outpost Coring Ahead

Tidewater Associated Oil Company, Lamont K & M No. 27, Sec. 5-31s-29e, is prospecting ahead at 8463 ft. The well is located at the southwesterly flank of the Mt. View field.

Mount Poso Well Scheduled

Union Oil Company is preparing to resume drilling in the Mount Poso field of Kern County. Next scheduled is Glide No. 1-21 to be put down 200 ft. north and 867 ft. west from the south quarter corner of Sec. 21-27s-28e.

Stockdale Well Drilling Ahead

Continental Oil Company, K.C.L. —Stockdale No. 1 near Bakersfield on Sec. 9-30s-27e continues to prospect ahead. At last report the well was drilling in hard shale at 5325 ft. with no showings yet announced.

Santiago Area Try Making Hole

Western Gulf Oil Company, Woodward-U.S.L. No. 1, in Sec. 23-11n-23w southeast of the Midway-Sunset Field, was last reported making hole in shale at 2090 ft. The well is the latest of many projects in the area which have sought production in this general locale.

Taft Townsite Well Starting

Universal Oil Consolidated is rigging up to drill Orloff No. 1 at Taft.

SAN JOAQUIN VALLEY WILDCATS

Area	Well	No.	Section	Depth	Status
	Fresno County				
Cantua	Tide Water Assoc. Oil Co., S. P.	82-15	15, 17-15	10073	Fishing
Jacalitos	Jacalitos Oil Co., Plaugher	1	30, 21-16	4210	Drilling
San Joaquin	Standard Oil Co., Griffen	74-18	18, 16-16	6883	Drilling
	Kern County				
Ant Hill	Amerada Pet. Corp., S. P.	23-23	23, 29-29	2280	Drilling
Antelope Hills	Hernstadt, W. L., Well	1	24, 27-19		Rigging up
	Mohawk Pet. Corp., Layman	1-18	18, 28-20	1371	Abandoned
Arvin	Richfield Oil Corp., Di Giorgio	3-1	3, 31-29		Location
Buena Vista	Richfield Oil Corp., B.V.A.	72-25	25, 31-25		Grade
Canfield Ranch	Tide Water Assoc. Oil Co., KCL	82-22	22, 30-26	7825	Completed
Coles Levee	Union Oil Co., Kernco	34-12	12, 31-25		Location
Devils Den	C.C.M.O. Co., Bates	2	20, 25-19	7994	Drilling
	Hillview Oil Co., Alferitz	3	14, 25-18	1273	Drilling
Di Giorgio	Richfield O. Corp., Valley Agriculture	1	7, 31-30	1506	Abandoned
Edison	Richfield Oil Corp., Cauley	43-16	16, 30-29	2067	Drilling
	Richfield Oil Corp., Lawson-Bennett	1	26, 30-29		Grade
	Rothschild Oil Co., Porter	1	17, 30-29	3926	Completed
Fairfax	Richfield Oil Corp., Smith	57-1	1, 30-28	5094	Swabbing
Fruitvale	Gen. Pet. Corp., Calloway	66-17	17, 29-27		Location
	Nat. Iron Works, Galtes	1	14, 29-27	3063	Testing
Gosford	Richfield Oil Corp., Stine-Canal	B-1	21, 30-27		Grade
	T.W.A.O. Co., KCL	22-23	23, 30-26		Grade
Jasmine	Rothschild Oil Co., Nunes	1	25, 25-27	2050	Abandoned
Kern Front	Richfield Oil Corp., Hood-Bloemer	2	26, 28-27	2322	Abandoned
Kern River	Wilkern Oil Co., Neebeeker-Landers	1	17, 28-29	982	Idle
Lost Hills	Harp & Brown, Chandler	1	35, 25-20		Location
	Standard Oil Co., Cahn	58	4, 27-21	8883	Coring
McKittrick	Standard Oil Co., McPhee	2-1	36, 29-21	7665	Fishing casing
	T.W.A.O. Co., Well	64-34	34, 30-22	2880	Testing
McVan	B & R Oil Co., Poso	1	14, 27-27		Location
Mojave	Thos. M. Blake, Cinco	1	22, 31-37	1585	Drilling
	J. S. & L. Oil Co., Childs-Well	1	9, 32-38	1110	Drilling
	Park, T. L., Dove	1	25, 31-37		Location
Mt. Poso	Tavis, J. J. & Assoc., Well	3	8, 27-28	1250	Drilling
Mt. View	Hancock Oil Co., Muller	D-1	12, 30-28		Location
	T.W.A.O. Co., Lamont K & M	27	5, 31-29	8375	Coring
N. Midway	Sunset Oil Co., Sunset	1A	6, 31-23	340	Drilling
Paloma	Superior Oil Co., Houchin	27-27	27, 31-26		Rig
	Western Gulf Oil Co., L.A. Club	67-6	6, 32-27	12900	Drilling
Premier	Independent Expl. Co., Movious	36	4, 28-28	2528	Testing
	Standard Oil Co., Well	34-5	5, 28-27	7187	Rig pump
Race Track Hill	Kern Oil Co., Ltd., Well	28-34	34, 29-29	5421	Rng. casing
Round Mt.	Bender Drlg. Co., Vedder	14-3	14, 28-28		Location
	Gen. Pet. Corp., Bishop	2	14, 28-28	2610	Cleaning out
Saco	Gen. Pet. Corp., Kernway	1-44	1, 29-26	5050	Completed
	Gen. Pet. Corp., Kernway	64-1	1, 29-26	4358	Wash perfs.
Santiago	Western Gulf Oil Co., Woodward	1	23, 11-23	1666	Drilling
Semitropic	Standard Oil Co., Fullerton	2	25, 27-23		Location
Shark Tooth	United Oil Co., S. P.	1	35, 28-28	3141	Idle
Sheep Springs	Rothschild-Bender, Sheep Springs	5	17, 29-21	3401	Drilling
	Trico Oil & Gas Co., Trico	24-2	24, 29-21	5237	Abandoned
So. Dome	Los Nietos Prod. & Ref. Co., S. D.	41	13, 25-19		Rigging up
Stockdale	Continental Oil Co., Stockdale	1	9, 30-27	4526	Drilling
Tejon	Richfield Oil Corp., Evans	1	36, 12-19	4615	Testing
	Tejon Oil Co., Tejon	1A	19, 11-19	8426	Drilling
Trico	Grubb, M. T., Opr. Well	2	15, 25-24	11220	Testing wso
Weed Patch	Gen. Pet. Corp., Kernsummer	8-27	27, 30-28	7797	Plugging
W. Mt. View	Richfield Oil Corp., W. Mt. View	A-26-15	15, 30-28	5619	Drilling
W. Ring	Ind. Explor. Co. Lambert Lands	1	35-26-27	650	Drilling
Wheeler Ridge	Richfield Oil Corp., Wildflower	1	12, 10-20		Rig
	Kings County				
Pyramid Hills	Pyramid Prod. Co., Spreckles	1	16, 24-18	4214	Rig pump
Reef Ridge	Shell Oil Co., Crow	41-2	2, 23-16	7328	Drilling
Tulare Lake	Magee, H. H., Von Glahn	17-1	17, 23-22		Rig
	Madera County				
Madera	Lytle, Lowery R., Burkhart-Greer	1	31, 12-16	5600	Abandoned
	San Luis Obispo County				
Cholame	K & M Drilling Co., Kosanke	1	17, 25-16	710	Idle
Cuyama Co.	Norris, Halvern L., Cuyama	1	25, 11-18	1400	Drilling
Midway	Richfield Oil Corp., Temblor Hills	1-1	36, 31-21	8158	Idle
Shandon	Tutin & Twisselmann, White	1	5, 26-15	3496	Idle
Temblor Hills	Richfield Oil Corp., & Sun Oil Co., Gonyer Unit	1	36, 12-25	2801	Drilling

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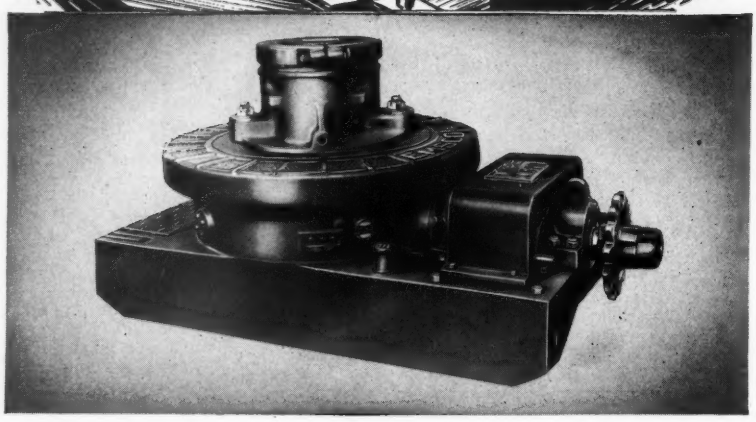

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Helm Field Well Completed

United Pet. Corp. finished sample F-32-15 at effective depth of 8181 ft. Located on Sec. 15-17s-18e, the well was gun perforated from 8125-30 ft. and 8103-20 ft. to complete flowing 165 b/d clean 28.8 gravity oil and 65 MCF gas through a 14/64 in. bean.

Buena Vista Work Continues

Drilling in the Buena Vista Hills field of Kern County continues active. Currently operating in the field is Honolulu Oil Corp., Murvale Oil Company, North American Oil Consolidated, Standard Oil Company, Tidewater Associated Oil Company, and Union Oil Company. Completions remain substantial, the latest of which was Standard Oil Company 367-1C from total depth of 3730 ft. Settled production is 440 b/d 30 gravity clean oil and 132 MCF gas through a 16/64 in. bean.

North Midway "Cat" Spudded

Sunset Oil Co., Sunset No. A-1, on Sec. 6-31s-23e is now under way. At last report the well was drilling in grass root stages near 500 ft.

Race Track Hill Well Testing

Kern Oil Co. Ltd., No. 28-34, on Sec. 34-29s-29e, is testing water shutoff on 7 in. casing cemented at 3721 ft. The well bottomed at 5421 ft. in basement. A formation test from 4565 ft. to 4632 ft. flowed at 200 b/d rate clean 40 gravity oil and an estimated 2500 MCF gas.

South Dome Well Starting

Los Nietos Prod. & Refining Co. is rigging up to drill South Mountain No. 41. The well is located on Sec. 13-25s-19e in the South Dome area just inside of Kern County.

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California Oil World, 117 West 9th St., Los Angeles 15, Calif.

Carrington King

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tion, reported a lively interest among members of the national organization. The outlook for enactment of the pending quitclaim legislation seems "quite good," he told CALIFORNIA OIL WORLD.

Search for a means of correcting the unfortunate aftermath left by the Fifth Circuit Court of Appeals decision in the F.H.E. Oil Co. tax case continues, with the co-chairmen of the General Depletion Committee of the Petroleum Industry carrying out instructions received at the St. Louis meeting of April 4 and working "almost continuously" on the assignment.

According to Russell B. Brown, general counsel of the Independent Petroleum Association of America and a co-chairman of the depletion committee, the program being studied "has not 'jelled' sufficiently to be announced" but information will be made available in the near future.

"From reports I receive from oil producing areas the uncertainty is so general that it seems impossible to expect that we can meet the required exploratory and development program if some early solution is not found," Brown said in a statement. "The fact that the emergency is so great would seem to assure the finding of the proper solution."

Highlights from a New York press conference with high officials of the Standard Oil Co. (N. J.) and the Standard Oil Development Company:

According to President Eugene Holman, of Standard, war damage to American-owned petroleum installations will mean "quite a rehabilitation job." Damage in France was bad, but in the Dutch East Indies it was "tremendous." Oil fields in Rumania were not badly harmed but refinery destruction was pretty thorough. The Jersey Co. has heard from some of its Rumanian employees—some crews remained on the job throughout the occupation—and expects further details when a group of U. S. experts who recently left this country arrive in Rumania.

There is plenty of oil in the U. S. for "several decades," Holman said, and with the unlimited supplies of oil shale, tar sands and coal in this country, substitute gasoline can be turned out to last for from 2000 to 4000 years. All the synthetic rubber necessary—from 800,000 to 1,000,000 tons annually—can be manufactured from only one-third of one percent of current yearly crude production, he declared, adding that the one postwar interest of the oil industry in rubber production was to see that tires will be provided for the automobiles that will flood the roads after the war.

The Jersey Co. executive parried questions as to his attitude on cartels by saying that "we have to do business the way people in those countries do business."

"We would like to do business the American way,' he observed, "but whether we will Americanize the world, I don't know."

Holman described the pending Anglo-American Oil Treaty as a "co-operaitve endeavor to be sure we will have plenty of oil postwar." He referred pointedly to "certain restrictions in the past against American nationals" with oil holdings abroad, implying that the treaty might alleviate some of the difficulties American companies have experienced when dealing with other countries whose Governments have taken a vital interest in their foreign ventures.

Late bulletin:

A clue to the Department of Justice's attitude on tidelands has just come in, with word from Rep. Clyde Doyle, of Long Beach, of a successful attempt to quiz U. S. Attorney General Francis Biddle about the matter. Justice has preserved a Sphinx-like silence on the subject, although several Congressional committees, members of Congress and Government agencies have attempted for months to find out the Department's views about the possibility of a suit against the State of California to claim title to the State's tidelands in the name of the U. S.

Although Doyle had a long conversation with Biddle, much of the conversation was off-the-record at the Attorney General's request. Here's what Biddle told the Long Beach Congressman he could be quoted on:

(1.) The question of whether or not a suit will be filed by Biddle, as attorney general, is a policy matter which is not for him to decide. (In other words, a nod from President Truman is indicated before any such action will occur.)

(2.) Assuming the Federal Government, through the Justice Department, does file an original suit against the State of California, no demand will be made for accounting or payment of back royalties by the State or municipalities which, Biddle said, acted in good faith when they leased the tidelands properties. (This is welcome news, after an earlier promise by Secretary of the Interior Ickes that the Government would be interested in the back royalty question).

Doyle's talk with Biddle—which he described as a "pleasant interview" — is generally interpreted as meaning there will be no suit filed in the immediate future. Since Ickes has backed down on his announced intention to throw the tidelands matter into litigation by granting one, or more, leases in the Seal Beach area, there is a good possibility the entire subject will be dropped by the Federal Government,—at least at this time.

As was mentioned in the earlier story from Washington, President Truman is unlikely to take the position that the U. S. should encroach upon States' rights by moving against California's tidewater properties. With Edwin W. Pauley, one of the leaders' of the fight to protect the title of the States to their tidelands, occupying a position of trust in the new Administration, chances of any Governmental passes being made are virtually nil.

Even though the tidelands issue seemingly has been dropped like a hot potato by Justice and Interior, sponsors of some 30 resolutions requiring the U. S. to abandon its claim to the lands are determined to push through the legislation.

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